Note: Image is for visual purposes only

01 / SILICONE SEALANTS

02 / FILLERS & CONSTRUCTION ADHESIVE

03 / MASTIC

04 / MS POLYMERS

05 / POLYURETHANE & ACRYLICS

06 / PU FOAMS


MACSIM
Tradesmans Choice
MF25
ELECTRICIANS
Professional Sealant
TRANSLUCENT
± 25% Joint Movement
Fast Cure
Low Odour
UV Stable
Waterproof
Neutral Cure
Highly Flexible
Industrial Use
300mL
MACSIM
Tradesmans Choice
MF30
PLUMBERS
Professional Sealant
TRANSLUCENT
WET AREAS
AS4020 Potable Water Approved
Neutral cure
Fast cure
Easy Application
Outstanding Weatherability
Excellent Adhesion
No Slump
Low VOC
300mL
MACSIM
Tradesmans Choice
MF40
MULTIPURPOSE
Industrial
Professional Sealant
TRANSLUCENT
Highly Flexible
Neutral Cure
Low Odour
UV Stable
Waterproof
Fast Cure
Industrial Use
300mL
MACSIM
Tradesmans Choice
MF50
ROOF & GUTTER
Professional Sealant
TRANSLUCENT
Highly Flexible
Neutral Cure
Low Odour
UV Stable
Waterproof
Fast Cure
300mL
MACSIM
Tradesmans Choice
MF60
GLAZING
Professional Sealant
TRANSLUCENT
± 25% movement capability
Low Slump
Superior Adhesion
Will not corrode metals
VOC <5%
300mL
MACSIM
Tradesmans Choice
MF65
FISH TANK
Professional Sealant
TRANSLUCENT
Acetic cure
Fast cure
UV stable
Waterproof
Highly flexible
Excellent adhesion
300mL
MACSIM
Tradesmans Choice
MF70
SANITARY
Professional Sealant
WHITE
WET AREAS
Neutral cure
Fast cure
Low odour
UV stable
Waterproof
Sanitary
Highly Flexible
300mL

MF25 ELECTRICIANS Professional Sealant

MF25 IS A ONE PART HIGH QUALITY SEALANT OFFERING EXCELLENT PRIMER-LESS ADHESION, WEATHERABILITY AND ELASTICITY FOR GENERAL GLAZING ELECTRICAL SEALING & INSULATION APPLICATIONS.

FEATURES & BENEFITS

- ☐ Excellent adhesion to a wide variety of substrates
- ☐ Suitable for indoor and outdoor applications
- ☐ ±25% joint movement capability
- ☐ Fast curing
- ☐ Low odour
- ☐ UV stable
- ☐ Waterproof
- ☐ Neutral cure
- ☐ Highly flexible
- ☐ Industrial Use

PRODUCT RANGE

◯	Translucent	53TET

PRODUCT CHARACTERISTICS

Appearance	Thixotropic, non sag paste
Curing Method	Neutral cure
Service Temperature	-40°C to +90°C

TYPICAL PROPERTIES

Movement Capability	± 25%
Elongation @ Break	700%
Skinning Time	2-15 minutes @ 25°C, 50% Relative Humidity
Rate of cure	>3mm in 24 hours >6mm in 7 days
Recovery Elastic	>90%
Shore A. Hardness	32
Sag	<1mm
Extrudability	300g/min.
Specific Gravity	1.0g/mL (Translucent) 1.45g/mL (All other colours)
Tensile Strength	1.3MPa (approx.)
Application Temperature	+5°C to +45°C
VOC Rating	Low VOC

NOTE: All data provided is based on 25°C and 50% Humidity Conditions & fully cured after 21 days.

APPLICATIONS


Electrical sealing & insulation


Metal water tanks


Meter Box


Metal, tiled & Colorbond® roofs


Air-Conditioning ducting


Sheet metal fabrications


Sky Lights, metal & PVC flues


Flashing/ spouting & downpipes


Cement Sheeting

SUBSTRATES


Galvanised Iron


Glazed Tiles


Sheet Metal


Aluminium


Glass


Plastic


Wood


Concrete


Ceramic Stone

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

Surfaces must be clean and dry, as well as free of wax, grease, dust and any other foreign materials so that the seal is not compromised.

Priming

It is advisable to conduct preliminary adhesion tests on substrates where the application is critical or if the adhesion performance is unknown. Alternatively consult Macsim for more information.

Applications Instructions

1. Prior to application of silicone protect edges with masking tape
2. Cut nozzle at a sharp angle slightly wider than the desired Bead or joint width. If being installed as a joint sealant, always use a suitable backing rod to ensure the correct depth is achieved.
3. Extrude sealant with a caulking gun and make sure nozzle is in contact with both sides of joint.
4. Tool off within a few minutes before skin forms.
5. Remove excess sealant immediately using M.E.K or Torulene. Any cured sealant can be removed using a spatula, scrapper or solvent.

Cleaning

Remove excess uncured adhesive with a sealant spatula immediately. Cured adhesive can be removed with M.E.K or Torulene.

Limitations

Electricians is not suitable for the following applications

- Surfaces where bleeding can occur such as marble, granite and other natural stone.
- Submerged joints such as swimming pools or aquariums.
- Structural or insulated glazing.
- Various plastics such as polyethylene, polypropylene and Teflon.

Note: Electricians cannot be painted.

Curing

Cure speed is dependent upon the temperature, humidity, depth of sealant and substrate. Typically, a joint will form a firm skin in one hour and takes up to seven days to fully cure. In cold weather curing time may be longer.

Shelf Life

12 months shelf life when stored in a dry environment and between +5ºC and +25ºC.

HEALTH & SAFETY

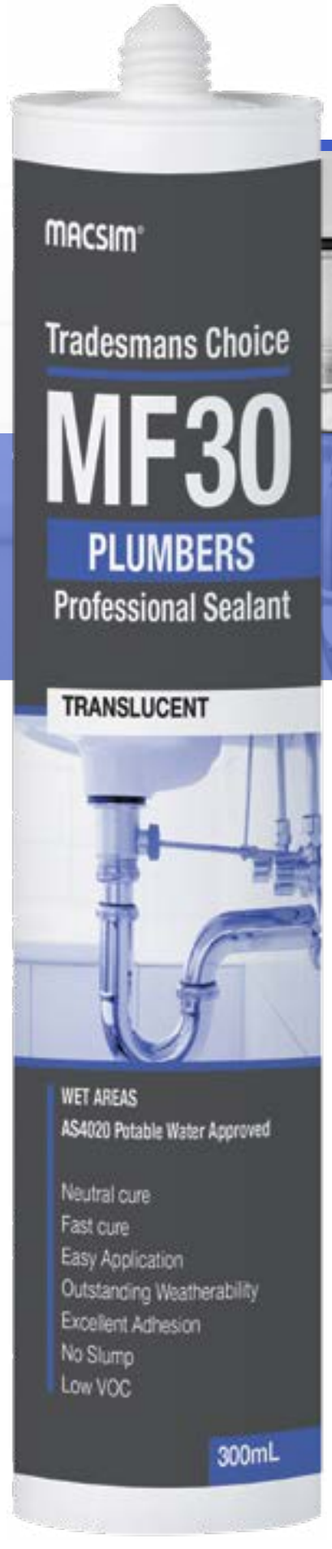
Safety

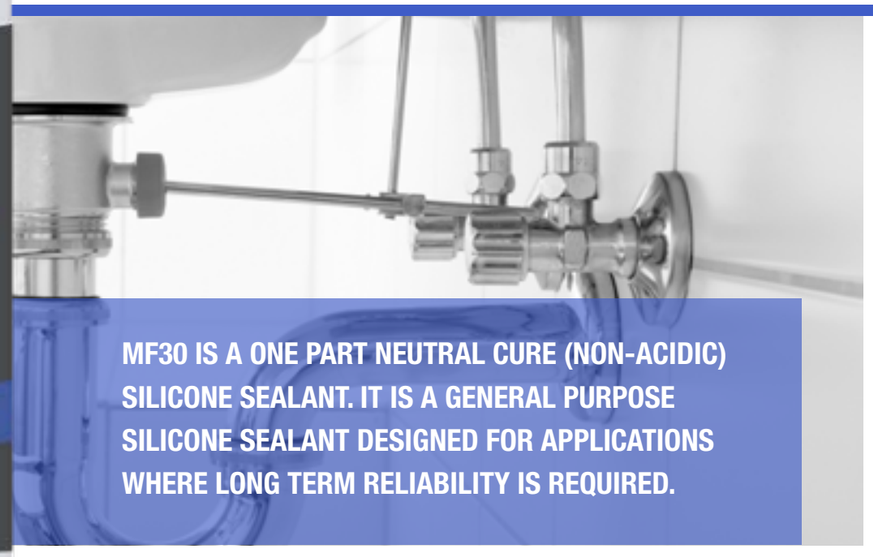
Keep away from heat/ sparks/ open flames/ hot surfaces. - No smoking. Do not breathe dust/ fumes/ gas/ mist/ vapours/ spray. Wear protective gloves/ protective clothing/ eye protection/ face protection. Use personal protective equipment as required. Contaminated work clothing should not be allowed out of the workplace.

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice on the First Aid, safe handling, storage and disposal of this product refer to the Safety Data Sheet. This can be acquired by visiting www.macsim.com.au.

MF30 PLUMBERS Professional Sealant





MF30 IS A ONE PART NEUTRAL CURE (NON-ACIDIC) SILICONE SEALANT. IT IS A GENERAL PURPOSE SILICONE SEALANT DESIGNED FOR APPLICATIONS WHERE LONG TERM RELIABILITY IS REQUIRED.

FEATURES & BENEFITS

- WET AREAS
- AS4020 potable water approved
- Neutral curing system
- One part ready to use
- Fast curing
- Outstanding weatherability
- Excellent adhesion
- Easy Application
- No slump
- Low VOC

PRODUCT RANGE

●	Grey	53TPG
○	Translucent	53TPT

PRODUCT CHARACTERISTICS

Appearance	Silicone Sealant
Curing Method	(Oxime) Neutral cure
Service Temperature	Up to +150ºC

TYPICAL PROPERTIES

Movement Capability	± 25%
Skinning Time	10 minutes
Rate of cure	24-48 hours
Shore A. Hardness	28 (ASTM D2240)
Sag	Non-slump (0.1%)
Specific Gravity	1.04
Tensile Strength	1.7MPa (approx.)
Application Temperature	-62ºC to +180ºC
VOC Rating	Low VOC

NOTE: All data provided is based on 25ºC and 50% Humidity Conditions & fully cured after 21 days.

SUBSTRATES


Masonry


Ceramics


Metal


Aluminium


Glass


Cement Sheet

APPLICATIONS


Coated steel roof


Metal water tanks


Cement Sheeting


Steel lap joint


Air-Conditioning ducting


Gutters & cement roof tiles


Flashing/ spouting & downpipes

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

All surfaces must be clean, dry, sound and free from dust, oil, rust or any other contamination. Metals should be cleaned with a non - oily solvent. Solvent should be wiped from the surface with a clean dry cloth. For plastics contact the manufacturer for a recommended cleaning solvent.

Applications Instructions

1. Prior to application of silicone protect edges with masking tape
2. Cut nozzle at a sharp angle slightly wider than the desired Bead or joint width.
3. Extrude sealant with a caulking gun and make sure nozzle is in contact with both sides of joint.
4. Tooling time is 10 minutes. Remove masking tape immediately after tooling before skin forms.
5. Uncured sealant should be cleaned off non porous surfaces while in the uncured state.

Curing

Cure speed is dependent upon the temperature, humidity, depth of sealant and substrate. Typically, a joint will form a firm skin in 10 minutes and takes up to 2 days to fully cure. In cold weather curing time may be longer.

Cleaning

Remove excess uncured adhesive with a sealant spatula immediately. Cured adhesive can be removed with M.E.K or Torulene.

Limitations

MF30 Plumbers is not suitable for the following applications

- Submerged joints where porous substrates permit water to bond interface.
- Rubber products where bleeding or plasticiser may occur.
- Horizontal walkways where sealant will be subject to abrasion.
- Should not be applied when substrate exceeds +50°C.
- Polycarbonate plastic.

Note: Cannot be painted as paint will not adhere to sealant.

Shelf Life

12 months shelf life when stored in a cool & dry environment. Storage temperatures should not exceed +25°C as this will decrease the shelf life.

HEALTH & SAFETY

Safety

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/ protective clothing/eye protection/face protection. Avoid breathing mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace.

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice on the First Aid, safe handling, storage and disposal of this product refer to the Safety Data Sheet. This can be acquired by visiting www.macsim.com.au.

MF40 INDUSTRIAL MULTIPURPOSE Professional Sealant

MF40 NDUSTRIAL IS A ONE PART HIGH QUALITY SEALANT OFFERING EXCELLENT PRIMER-LESS ADHESION, WEATHERABILITY AND ELASTICITY FOR GENERAL GLAZING AND SEALING APPLICATIONS.

FEATURES & BENEFITS

- ☐ Excellent adhesion to a wide variety of substrates
- ☐ Suitable for indoor and outdoor applications
- ☐ ±25% joint movement capability
- ☐ Fast curing
- ☐ Low odour
- ☐ UV stable
- ☐ Waterproof
- ☐ Neutral cure
- ☐ Highly flexible
- ☐ Industrial Use

PRODUCT RANGE

◯	Translucent	53TMPT

PRODUCT CHARACTERISTICS

Appearance	Thixotropic, non sag paste
Curing Method	Neutral cure
Service Temperature	-40ºC to +90ºC

TYPICAL PROPERTIES

Movement Capability	± 25%
Elongation @ Break	700%
Skinning Time	2-15 minutes
Rate of cure	>3mm in 24 hours >6mm in 7 days
Recovery Elastic	>90%
Shore A. Hardness	32
Sag	<1mm
Specific Gravity	1.0g/mL
Tensile Strength	1.3MPa (approx.)
Application Temperature	+5ºC to +45ºC
VOC Rating	Low VOC

NOTE: All data provided is based on 25ºC and 50% Humidity Conditions & fully cured after 21 days.

APPLICATIONS: External Use Only


Metal, tiled & Colorbond® roofs


Metal water tanks


Gutters


Sky Lights, metal & PVC flues

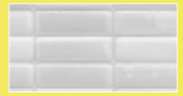

Air-Conditioning ducting


Sheet metal fabrications


Flashing/ spouting & downpipes

SUBSTRATES


Galvanised Iron


Glazed Tiles


Sheet Metal


Aluminium


Glass


Wood


Concrete


Ceramic Stone

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

Surfaces must be clean and dry, as well as free of wax, grease, dust and any other foreign materials so that the seal is not compromised.

Priming

It is advisable to conduct preliminary adhesion tests on substrates where the application is critical or if the adhesion performance is unknown. Alternatively consult Macsim for more information.

Applications Instructions

1. Prior to application of silicone protect edges with masking tape
2. Cut nozzle at a sharp angle slightly wider than the desired Bead or joint width. If being installed as a joint sealant, always use a suitable backing rod to ensure the correct depth is achieved.
3. Extrude sealant with a caulking gun and make sure nozzle is in contact with both sides of joint.
4. Tool off within a few minutes before skin forms.
5. Remove excess sealant immediately using M.E.K or Torulene. Any cured sealant can be removed using a spatula, scrapper or solvent.

Cleaning

Remove excess uncured adhesive with a sealant spatula immediately. Cured adhesive can be removed with M.E.K or Torulene.

Limitations

Multipurpose is not suitable for the following applications

- Surfaces where bleeding can occur such as marble, granite and other natural stone.
- Submerged joints such as swimming pools or aquariums.
- Structural or insulated glazing.
- Various plastics such as polyethylene, polypropylene and Teflon.

Note: Multipurpose cannot be painted.

Curing

Cure speed is dependent upon the temperature, humidity, depth of sealant and substrate. Typically, a joint will form a firm skin in one hour and takes up to seven days to fully cure. In cold weather curing time may be longer.

Shelf Life

12 months shelf life when stored in a dry environment and between +5ºC and +25ºC.

HEALTH & SAFETY

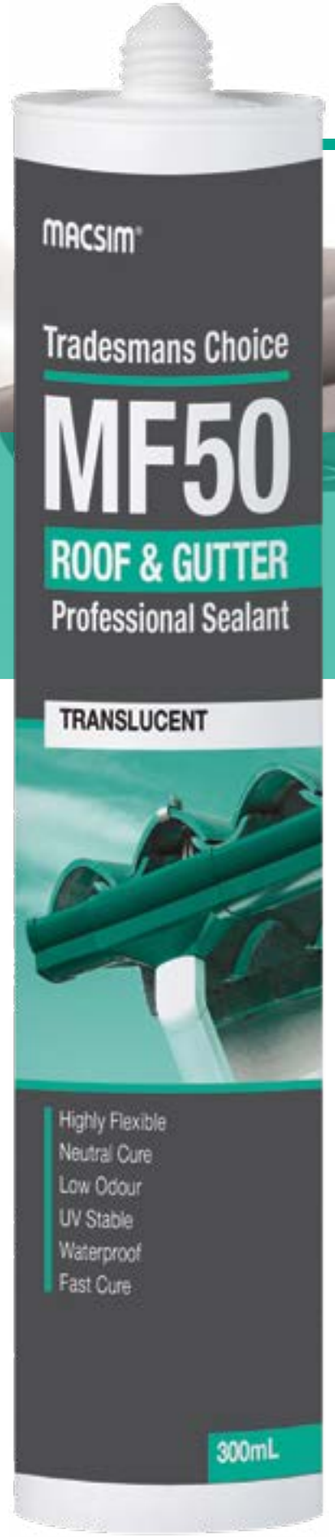
Safety

Keep away from heat/ sparks/ open flames/ hot surfaces. - No smoking. Do not breathe dust/ fumes/ gas/ mist/ vapours/ spray. Wear protective gloves/ protective clothing/ eye protection/ face protection. Use personal protective equipment as required. Contaminated work clothing should not be allowed out of the workplace.

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice on the First Aid, safe handling, storage and disposal of this product refer to the Safety Data Sheet. This can be acquired by visiting www.macsim.com.au.

MF50 ROOF & GUTTER Professional Sealant



MF50 ROOF & GUTTER IS A ONE PART HIGH QUALITY SEALANT OFFERING EXCELLENT PRIMER-LESS ADHESION, WEATHERABILITY AND ELASTICITY FOR GENERAL GLAZING AND SEALING APPLICATIONS.

FEATURES & BENEFITS

- Excellent adhesion to a wide variety of substrates
- Suitable for indoor and outdoor applications
- ±25% joint movement capability
- Fast curing
- Low odour
- UV stable
- Waterproof
- Neutral cure
- Highly flexible

PRODUCT RANGE

	Aluminium	53TRGA
	Black	53TRGB
	Grey	53TRGG
	Translucent	53TRGT
	White	53TRGW

PRODUCT CHARACTERISTICS

Appearance	Thixotropic, non sag paste
Curing Method	Neutral cure
Service Temperature	-40°C to +90°C

TYPICAL PROPERTIES

Movement Capability	± 25%
Elongation @ Break	700%
Skinning Time	2-15 minutes @ 25°C, 50% Relative Humidity
Rate of cure	>3mm in 24 hours >6mm in 7 days
Recovery Elastic	>90%
Shore A. Hardness	32
Sag	<1mm
Extrudability	300g/min.
Specific Gravity	1.0g/mL (Translucent) 1.45g/mL (All other colours)
Tensile Strength	1.3MPa (approx.)
Application Temperature	+5°C to +45°C
VOC Rating	Low VOC

NOTE: All data provided is based on 25°C and 50% Humidity Conditions & fully cured after 21 days.

APPLICATIONS


Metal, tiled & Colorbond® roofs


Metal water tanks


Gutters


Sky Lights, metal & PVC flues


Air-Conditioning ducting


Sheet metal fabrications


Flashing/ spouting & downpipes

SUBSTRATES


Galvanised Iron


Glazed Tiles


Sheet Metal


Aluminium


Glass


Plastic


Wood


Concrete


Ceramic Stone

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

Surfaces must be clean and dry, as well as free of wax, grease, dust and any other foreign materials so that the seal is not compromised.

Priming

It is advisable to conduct preliminary adhesion tests on substrates where the application is critical or if the adhesion performance is unknown. Alternatively consult Macsim for more information.

Applications Instructions

1. Prior to application of silicone protect edges with masking tape
2. Cut nozzle at a sharp angle slightly wider than the desired Bead or joint width. If being installed as a joint sealant, always use a suitable backing rod to ensure the correct depth is achieved.
3. Extrude sealant with a caulking gun and make sure nozzle is in contact with both sides of joint.
4. Tool off within a few minutes before skin forms.
5. Remove excess sealant immediately using M.E.K or Torulene. Any cured sealant can be removed using a spatula, scrapper or solvent.

Cleaning

Remove excess uncured adhesive with a sealant spatula immediately. Cured adhesive can be removed with M.E.K or Torulene.

Limitations

Roof & Gutter is not suitable for the following applications

- Surfaces where bleeding can occur such as marble, granite and other natural stone.
- Submerged joints such as swimming pools or aquariums.
- Structural or insulated glazing.
- Various plastics such as polyethylene, polypropylene and Teflon.

Note: Roof & Gutter cannot be painted.

Curing

Cure speed is dependent upon the temperature, humidity, depth of sealant and substrate. Typically, a joint will form a firm skin in one hour and takes up to seven days to fully cure. In cold weather curing time may be longer.

Shelf Life

12 months shelf life when stored in a dry environment and between +5ºC and +25ºC.

HEALTH & SAFETY

Safety

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace.

If poisoning occurs, contact Poisons Information Centre:

Australia: 13 11 26; New Zealand: 0800 764 766.

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. The can be acquired by visiting www.macsim.com.au

MF60 GLAZING Professional Sealant

MF60 GLAZING SEALANT IS A HIGH QUALITY 100% OXIME CURING SILICONE ADHESIVE / SEALANT. IT IS DESIGNED FOR GENERAL PURPOSE GLAZING, INDUSTRIAL AND AUTOMOTIVE SEALING APPLICATIONS WHERE EXCELLENT ADHESION & LONG TERM RELIABILITY IS REQUIRED.

FEATURES & BENEFITS

- ± 25% movement capability
- Low slump
- Superior adhesion
- Will not corrode metals
- complies with 5 star rating for VOC <5% (Less than 50g/L)
- 5-10 Skinning time

PRODUCT RANGE

◯	Translucent	53PSN60T

PRODUCT CHARACTERISTICS

Colour	Translucent
Curing Method	Neutral oxime 100%
Service Temperature	-60°C to +180°C

TYPICAL PROPERTIES

Movement Capability	± 25%
Elongation @ Break	400%
Skinning Time	5-10 minutes
Rate of cure	10mm in 5-7 days
Shore A. Hardness	28
Sag	No slump (0.1% Max)
Specific Gravity	1.04g/mL
Tensile Strength	2.0MPa
VOC Rating	<5%

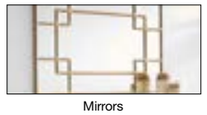
NOTE: All data provided is based on 25°C and 50% Humidity Conditions & fully cured after 21 days.

VOC Rating complies with 5 star rating to VOC (less than 50g/L) in accordance with the Californian South Air Quality Management rule 1168.

APPLICATIONS


General purpose glazing & weather sealing (BS 5889 building approved)


Glass shop fronts


Mirrors


Electrical sealing & insulation

SUBSTRATES


Glass


Ceramics


Fiberglass


Aluminium


Steel


Plastic


Wood


Concrete


Stainless Steel

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

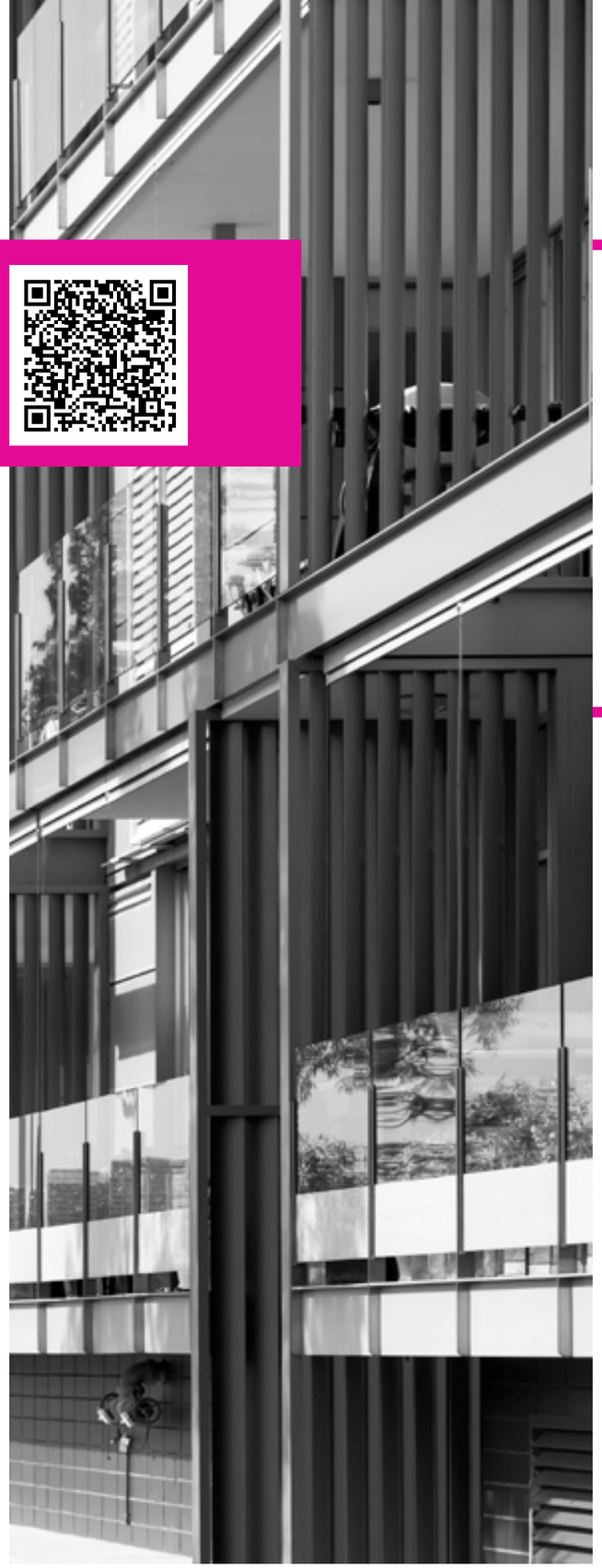
Surfaces must be clean and dry, as well as free of wax, grease, dust and any other contamination. Metals should be cleaned with a non-oily solvent clean cloth. Solvent should be wiped from surface with a clean dry cloth. Use an alcohol such as methylated spirits IPA or ideally a primer for the ultimate adhesion. When used on remedial work all existing sealant must be removed.

Applications Instructions

1. Prior to application of silicone protect edges with masking tape
2. Cut nozzle at a sharp angle slightly wider than the desired Bead or joint width. If being installed as a joint sealant, always use a suitable backing rod to ensure the correct depth is achieved.
3. Extrude sealant with a caulking gun.
4. Tool off within 10 minutes before skin forms.

Cleaning

Remove excess cured sealant with a sealant spatula immediately. Uncured adhesive can be removed with M.E.K or Torulene.



Limitations

Glazing (Translucent) is not suitable for the following applications:

- Submerged joints where porous substrates permit water to bond interface.
- Rubber products where bleeding of plasticiser may occur.
- Aquarium construction and structural glazing.

Shelf Life

12 months shelf life when stored in a dry environment and between +5ºC and +28ºC.

HEALTH & SAFETY

Safety

Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. The can be acquired by visiting www.macsim.com.au

MF60 GLAZING Professional Sealant

MF60 GLAZING SEALANT IS A PREMIUM EXTRA HIGH STRENGTH MEDIUM MODULUS ONE PART MOISTURE CURING, 100% CALCIUM CARBONATE FILLED, HIGH PERFORMANCE NEUTRAL CURE SILICONE SEALANT (OXIME) DESIGNED TO GIVE SUPERIOR ADHESION AND DURABILITY IN A WIDE RANGE OF GLAZING, WEATHER SEALING AND TRADE APPLICATIONS.

FEATURES & BENEFITS

- Medium modulus for higher strength with good movement
- > ± 25% movement capability
- Low gloss
- Superior adhesion
- Outstanding elongation
- Contains no hydro treated petroleum distillate (extender)
- 5-10 Skinning time

PRODUCT RANGE

●	Matt Black	53PSN60B

PRODUCT CHARACTERISTICS

Colour	Matt Black
Curing Method	Neutral oxime 100%
Service Temperature	-40°C to +140°C

TYPICAL PROPERTIES

Movement Capability	± 25%
Elongation @ Break	>680%
Skinning Time	5-10 minutes
Rate of cure	10mm in 5-7 days
Shore A. Hardness	30 (ASTM D2240)
Sag	No slump (0.1% Max)
Specific Gravity	1.25g/mL
Tensile Strength	1.3MPa

NOTE: All data provided is based on 25°C and 50% Humidity Conditions & fully cured after 21 days.

SUBSTRATES


Glass


Aluminium


Plastic


Wood


Concrete


Masonry

APPLICATIONS


General purpose glazing


Colonial glazing bars


Structural butt joints


Weather sealing high rise building


Installing solar panels


Trucks & caravan assembly

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

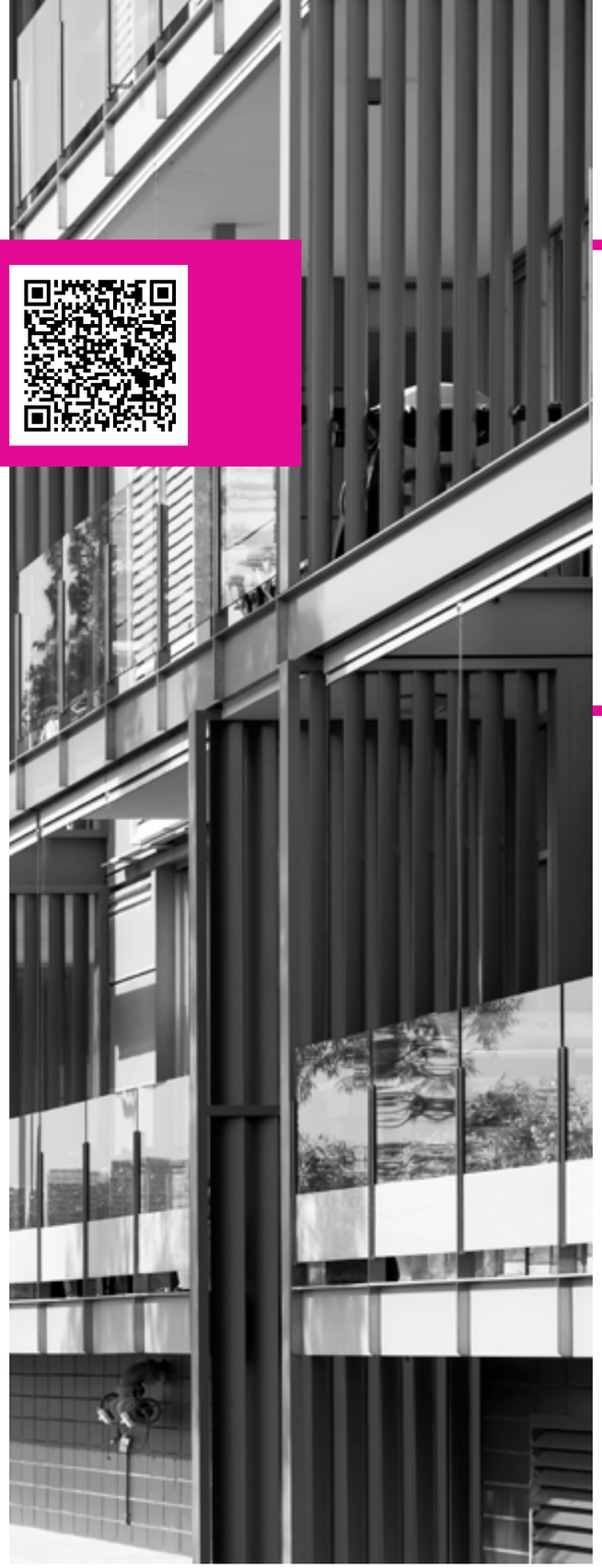
Surfaces must be clean and dry, as well as free of wax, grease, dust and any other contamination. Metals should be cleaned with a non-oily solvent clean cloth. Solvent should be wiped from surface with a clean dry cloth. Use an alcohol such as methylated spirits IPA or ideally a primer for the ultimate adhesion. When used on remedial work all existing sealant must be removed.

Applications Instructions

1. Prior to application of silicone protect edges with masking tape
2. Cut nozzle at a sharp angle slightly wider than the desired Bead or joint width. If being installed as a joint sealant, always use a suitable backing rod to ensure the correct depth is achieved.
3. Extrude sealant with a caulking gun.
4. Tool off within 10 minutes before skin forms.

Cleaning

Remove excess cured sealant with a sealant spatula immediately. Uncured adhesive can be removed with M.E.K or Torulene.



Limitations

Glazing (Matt Black) is not suitable for the following applications:

- Submerged joints where porous substrates permit water to bond interface.
- Rubber products where bleeding of plasticiser may occur.
- Aquarium construction and structural glazing.

Shelf Life

12 months shelf life when stored in a dry environment and between +5ºC and +28ºC.

HEALTH & SAFETY

Safety

Keep away from heat/ sparks. Avoid breathing mist/ vapours/ spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye protection/ face protection. Contaminated work clothing should not be allowed out of the workplace.

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. The can be acquired by visiting www.macsim.com.au

MF65 FISH TANK Professional Sealant

MF65 FISH TANK ACETIC SILICONE SEALANT IS A ONE PART ACETOXY CURING SEALANT WITH EXCELLENT RESISTANCE TO AGING, CRACKING & DISCOLOURATION. IT IS SPECIALLY FORMULATED FOR SEALING IN LARGE PLATE GLASS & AQUARIUMS. 100% SILICONE.

FEATURES & BENEFITS

- Fast cure
- UV stable
- Waterproof
- Acetic cure
- Highly Flexible
- Excellent adhesion

PRODUCT RANGE

○	Translucent	53TFTT

PRODUCT CHARACTERISTICS

Appearance	Thixotropic
Curing Method	Aceytoxy
Service Temperature	-50°C to +200°C

TYPICAL PROPERTIES

Movement Capability	± 25%
Elongation @ Break	>600%
Skinning Time	7 minutes @ 25°C, 50% Relative Humidity
Rate of cure	3mm in 24 hours 6mm in 7 days
Recovery Elastic	90%
Shore A. Hardness	25-30
Sag	0mm
Extrudability	6mL/ seconds.
Specific Gravity	1.03g/mL
Tensile Strength	1.0MPa (approx.)
Application Temperature	+5°C to +45°C
VOC Rating	Low VOC

NOTE: All data provided is based on 25°C and 50% Humidity Conditions & fully cured after 21 days.

APPLICATIONS


Aquariums


Window & door joints with glass

SUBSTRATES


Glazed Tiles


Aluminium


Glass


Wood

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

Surfaces must be clean and dry, as well as free of wax, grease, dust and any other foreign materials so that the seal is not compromised.

Applications Instructions

1. Prior to application of silicone protect edges with masking tape
2. Cut nozzle at a sharp angle slightly wider than the desired Bead or joint width. If being installed as a joint sealant, always use a suitable backing rod to ensure the correct depth is achieved.
3. Extrude sealant with a caulking gun and make sure nozzle is in contact with both sides of joint.
4. Tool off immediately before skin forms.
5. Remove excess sealant immediate.

Cleaning

Remove excess cured sealant with a sealant spatula immediately. Uncured adhesive can be removed with M.E.K or Torulene.

Limitations

Fish Tank is not suitable for the following applications

- Surfaces where bleeding can occur
- Joint movement more than 30%

Note: Fish Tank cannot be painted.

Shelf Life

12 months shelf life when stored in a cool, dry, well ventilated environment away from direct sunlight (between +5ºC and +25ºC) in original unopened container.

HEALTH & SAFETY

Safety

Keep away from heat, sparks, open flames, hot surfaces. - No smoking. Do not breathe dust, fumes, gas, mist, vapours & spray. Wear protective gloves, protective clothing, eye protection & face protection.

If poisoning occurs, contact Poisons Information Centre:

Australia: 13 11 26; New Zealand: 0800 764 766.

First Aid

Take off contaminated clothing and wash before reuse. In case of fire use alcohol resistant foam or normal protein foam for extinction. If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Get medical advice and attention if you feel unwell.

If eye irritation persists: Get medical advice and attention.

If on skin wash with soap and water. If skin irritation occurs get medical advice immediately.

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. The can be acquired by visiting www.macsim.com.au

MF70 SANITARY Professional Sealant

MF70 SANITARY IS A SINGLE COMPONENT, NEUTRAL SILICONE SEALANT WITH EXCELLENT ANTI-FUNGAL PROPERTIES. IT IS SUITABLE FOR MANY COMMON AREAS WHICH MAY BE EXPOSED TO HIGH HUMIDITY & TEMPERATURE CONDITIONS. IT WILL BOND TO FORM A DURABLE, FLEXIBLE, WATERPROOF SEAL ON MOST BUILDING MATERIALS.

FEATURES & BENEFITS

- Anti-fungal: Can be used in wet areas
- Mould & mildew resistant
- Joint movement capability ±25%
- Non corrosive to galvanised/ zinc coated steel/ concrete
- Sanitary
- Fast cure
- Low odour
- UV Stable
- Waterproof
- Neutral cure
- Highly flexible
- Non slumping
- Excellent primer-less adhesion
- Unaffected by extreme temperature conditions

PRODUCT RANGE

Translucent	53TBKT
White	53TSW

PRODUCT CHARACTERISTICS

Appearance	Thixotropic paste
Curing Method	Neutral cure
Service Temperature	-50°C to +200°C

TYPICAL PROPERTIES

Movement Capability	± 25%
Elongation @ Break	850%
Skinning Time	2-15 minutes @ 25°C, 50% Relative Humidity
Recovery Elastic	>85%
Shore A. Hardness	31
Sag	≤1mm
Extrudability	400g/min.
Specific Gravity	0.97g/mL
Tensile Strength	1.2MPa
Application Temperature	+5°C to +45°C
VOC Rating	Low VOC

NOTE: All data provided is based on 25°C and 50% Humidity Conditions & fully cured after 21 days.

SUBSTRATES


Vitreous Enamel


Ceramic Tile


Glazing


Glass


Laminate


Timber


Aluminium

APPLICATIONS


Kitchens


Bathrooms


Toilets


Shower


Vanity & Sinks


Plumbing fixtures


Drains

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

Surfaces to be sealed must be clean, dry and free of wax, grease, cutting oils or any loose flaking materials. Use the two-wipe process for impervious substrates. Ensure the cloths are clean and changed frequently.

Applications Instructions

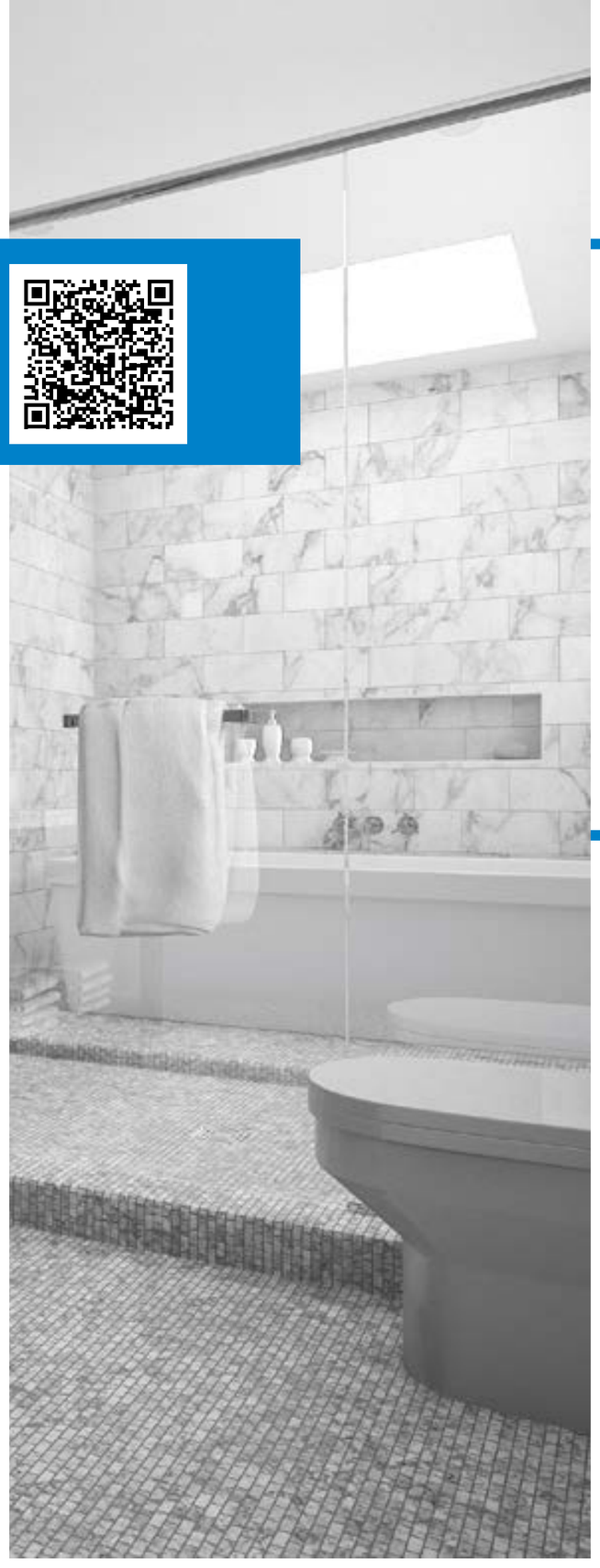
1. Prior to application of silicone protect edges with masking tape
2. Cut nozzle at a sharp angle slightly wider than the desired Bead or joint width. If being installed as a joint sealant, always use a suitable backing rod to ensure the correct depth is achieved.
3. Extrude sealant with a caulking gun and make sure nozzle is in contact with both sides of joint.
4. Tool off immediately before skin forms.
5. Remove excess sealant immediate.

Cleaning

Remove excess cured sealant with a sealant spatula immediately. Uncured adhesive can be removed with M.E.K or Torulene.

Shelf Life

12 months shelf life when stored in a cool and dry environment and between +5ºC and +27ºC. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container.



Limitations

Sanitary is not suitable for the following applications

- Surfaces that bleed oil.
- Below ground joints
- Areas in direct contact with food
- Will not adhere to some plastics such as polythylene, polypropylene and teflon.
- Contact with acetic silicone sealant.
- Aquariums
- Structural Glazing
- Composite panels
- Under water applications
- Stone
- High traffic areas
- Discolouration may occur on copper and brass

Note: Sanitary cannot be painted.

HEALTH & SAFETY

Safety

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/ protective clothing/eye protection/face protection. Avoid breathing mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace.

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

First Aid

Wash contaminated clothing before reuse. In case of fire: Use alcohol resistant foam or normal protein foam for extinction. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. The can be acquired by visiting www.macsim.com.au


MACSIM
Tradesmans Choice
MF05
BETTABOND
Construction Adhesive
WHITE
Water based
Environmentally friendly
Good adhesion
Universal applicaton
Fills & bonds
Solvent free
VOC free
300mL
MACSIM
Tradesmans Choice
MF10
GAP FILLER
Acrylic Flexible Filler
WHITE
Flexible
Paintable
Water based
Solvent free
Good adhesion
280mL
MACSIM
Tradesmans Choice
MF20
NEVER NAIL
Construction Adhesive
CREAM
Strong Initial Grab
Bonds Most Materials
Polystyrene Safe
Superior Adhesion
Water Resistant
300mL

MF05 BETTABOND Construction Adhesive

MF05 BETTABOND IS A ONE-COMPONENT, WATER-BASED, LOW VOC PANEL ADHESIVE WITH GOOD INITIAL GRAB. IT IS FAST CURING TO FORM A DURABLE HIGH STRENGTH BOND. IT IS PAINTABLE AND IDEAL FOR GENERAL PURPOSE CONSTRUCTION APPLICATIONS.

FEATURES & BENEFITS

- Water based
- Environmentally friendly
- Good adhesion
- Universal application
- Fills & bonds
- Solvent free
- VOC free

PRODUCT RANGE

	White	53BB

PRODUCT CHARACTERISTICS

Base	Acrylic latex
Appearance	Non sagging paste
Service Temperature	-10ºC to +70ºC

TYPICAL PROPERTIES

Tack Free Time	<30 minutes
Lap Shear Strength	>2.0 N/mm² (Wood to Wood) (ASTM D1002)
Solid Content	66-70%
Specific Gravity	1.31-1.35
Application Temperature	+5ºC to +50ºC
VOC Content	11g/L (USEPA Method 24)
Slump Test	No slump with ceramic tiles

NOTE: All data provided is based on 25ºC and 50% Humidity Conditions & fully cured after 21 days.

APPLICATIONS


Bonding/sealing building materials


Bonding floors to sub-floor


Repairing tiles

SUBSTRATES


Soft & Hard Wood


Ceramic Tile


Stone


Masonry


Plastic


Plasterboard

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

Surfaces must be clean and dry, as well as free of wax, grease, dust and any other foreign materials. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. Soap or detergent and water treatments are not recommended.

Applications Instructions

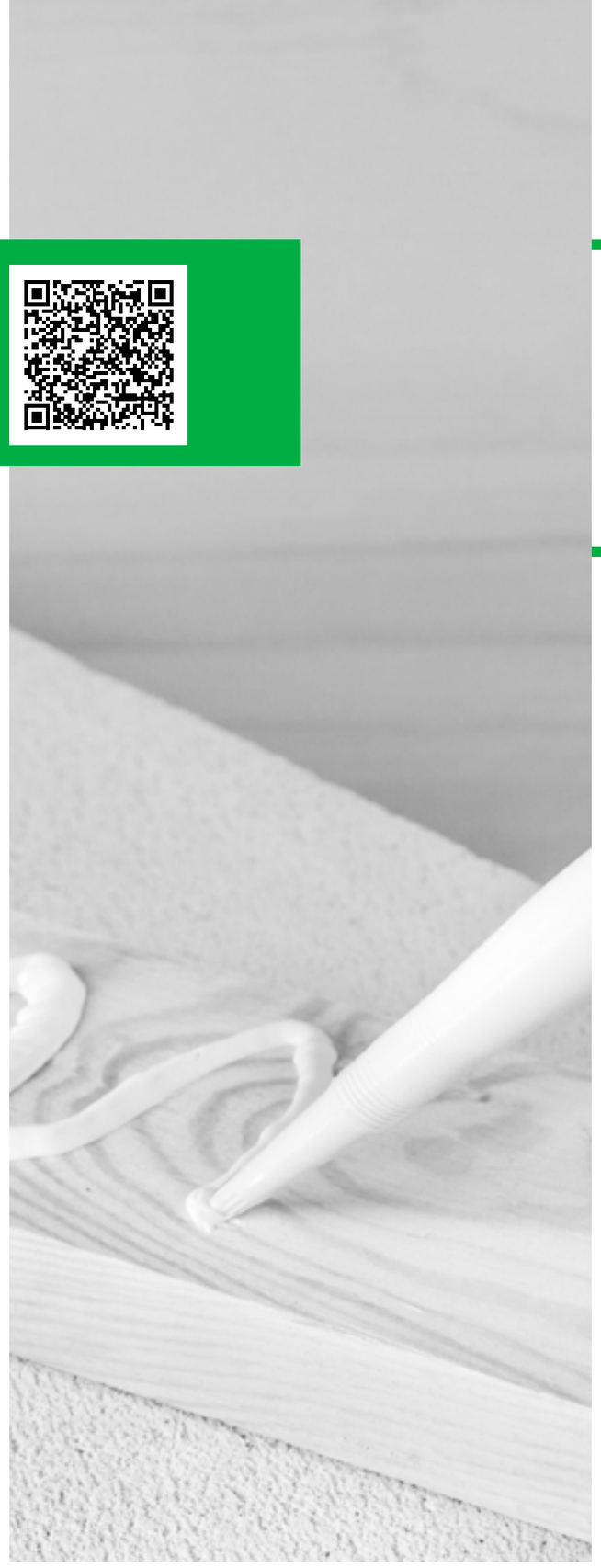
1. Cut nozzle at 45° angle to desired bead-width and apply to substrate with cartridge gun.
2. Apply in a zig zag motion to give good coverage over area to be bonded.
3. Materials being adhered should be bonded immediately or left over for up to 5 minutes. Reposition up to 2 minutes.
4. Excess adhesive can be cleaned up with damp cloth.
5. Can be painted after 24 hours.

Cleaning

Remove excess cured sealant with a damp cloth.

Shelf Life

12 months shelf life when stored in a cool and dry environment and below +25°C.



Limitations

Bettabond is not suitable for the following applications

- Must have at least one porous surface to cure.
- Damp or continuous wet areas
- Fixing mirrors
- PE and PP plastic bonding
- Outdoor applications

HEALTH & SAFETY

Safety

Bettabond is non-hazardous. If poisoning occurs, contact Poisons Information Centre:
Australia: 13 11 26; New Zealand: 0800 764 766.

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. This can be acquired by visiting www.macsim.com.au

MF10 GAP FILLER
Acrylic Flexible Filler

MF10 GAP FILLER IS A ONE PART, GUN APPLIED, WATER-BASED ACRYLIC SEALANT THAT CURES TO A FLEXIBLE & TOUGH RUBBER WITH GOOD ADHESION TO POROUS SURFACES WITHOUT PRIMER. IT CAN BE USED ON JOINTS WHERE MOVEMENT IS NO MORE THAN 20%.

FEATURES & BENEFITS

- Environmentally Friendly
- Primerless adhesion to wood, concrete, metal & marble
- Flexible
- Paintable
- Water Based
- No cracking or shrinkage
- Interior & Exterior use
- Low VOC

PRODUCT RANGE

White	53TGF

PRODUCT CHARACTERISTICS

Base	Water based acrylic
Appearance	Smooth paste

TYPICAL PROPERTIES

Elongation @ Break	>65%
Skinning Time	5-15 minutes
Shore A. Hardness	40 ± 5 (24 hours) 50 ± 5 (7 days)
Specific Gravity	1.7-1.62g/mL
Depth of curing	≥3mm (24 hours)
Application Temperature	+5°C to +45°C
Solid Content	>80%

NOTE: All data provided is based on 25°C and 50% Humidity Conditions & fully cured after 21 days.

APPLICATIONS


Skirting Boards


Architraves


Doors


Window Frames

SUBSTRATES


Soft & Hard Wood


Ceramic


Plasterboard


Marble


Cement Sheeting

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

Substrate surface must be dry and clean, free of dirt, grease, oil, or standing water. Use the two-cloth method to clean if surface is dirty. For a neat finish, use masking tape and remove it within the working time. For sealant design with depths of over 10mm, use approved backing materials.

Applications Instructions

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. Do not use soap or detergent.
3. For a neat finish, apply masking tape and remove it before sealant skins over.
4. Cut nozzle at 45° angle to desired bead-width and apply to substrate with caulking gun.
5. Tool the sealant immediately before it skins.
6. Allow to dry for one hour before applying water-based paint and 24 hours for oil-based paint.

Cleaning

Uncured sealant can be cleaned up with damp cloth

Shelf Life

18 months shelf life when stored in a dry and cool place with temperatures between +5°C to +27°C.

Limitations

MF10 Gap Filler is not suitable for the following applications

- Surfaces that bleed oil.
- Joint movement more than 20%.
- Areas with risk of exposure to rain.
- Structural glass.
- Sealing joints permanently exposed to water.
- Constant water immersion.
- Will not adhere to some plastics such as polyethylene, polypropylene and Teflon.

HEALTH & SAFETY

Safety

Read label before use. Keep away from heat/sparks/ open flames/ hot surfaces. - No smoking. Use personal protective equipment as required. Wear protective gloves/protective clothing/eye protection/ face protection. In case of fire: Use water spray/fog for extinction. Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local regulations.

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

First Aid

SKIN: If on skin wash with plenty of soap and water. If skin irritation or rash occurs get medical advice. EYES: If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice. SWALLOWED: Do not induce vomiting, rinse mouth thoroughly with water and get medical advice. INHALED: Remove patient to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice.

MF20 NEVER NAIL
Construction Adhesive

MF20 NEVER NAIL IS A ONE-COMPONENT CONSTRUCTION ADHESIVE FORMULATED TO BOND ON A VARIETY OF COMMON CONSTRUCTION MATERIALS. IT HAS STRONG INITIAL GRAB, SUPERIOR ADHESION, & DOES NOT SLUMP ON VERTICAL SURFACES.

FEATURES & BENEFITS

- Strong initial grab
- Bond most materials
- Polystyrene safe
- Superior adhesion
- Can be extruded even at low temperatures

PRODUCT RANGE

	Cream	53TNN

PRODUCT CHARACTERISTICS

Curing System	Solvent Evaporation
Appearance	Thick Paste
Service Temperature	-30°C to +60°C

TYPICAL PROPERTIES

Density	Approx. 1.16 ± 0.01 g/mL
Open Time	Max. 5 minutes
Solids	76-78%
Consistency	Thixotropic
Lap Shear Strength	>2.5 N/mm² (Wood to Wood) (ASTM D1002)
Application Temperature	-20°C to +38°C
Freeze/ Thaw Stability	5 cycles

NOTE: All data provided is based on 25°C and 50% Humidity Conditions & fully cured after 21 days.

APPLICATIONS


Skirting Boards


Wall Paneling


Flooring


Plasterboard

SUBSTRATES


Wood


Chipboard


Masonry


Aluminium


Concrete


Fibre Cement


Plasterboard

NOTE: MF20 Never Nail can also be used on foamed polystyrene and mirror backed tiles.

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Applications Instructions

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. Cut tip off and puncture the internal foil seal with nozzle. Cut nozzle at 45° angle to desired bead-width and apply to substrate with cartridge gun.
3. For a neat finish, apply masking tape and remove it before construction adhesive skins over.
4. Construction adhesive can be applied either as a two-way contact or a one-way wet stick adhesive (recommended for heavier panels or those that are formed to place a loading or stressed memory on bond line).
5. Two-way contact: Press firmly over entire surfaces to transfer adhesive and then pull both surfaces apart. Allow to tack off 10 – 30 seconds for reposition and press firmly together. Contact areas should be tapped with a hammer and padded block to ensure intimate contact.
6. One-way method: After applying adhesive and bringing substrates together, they should be sufficiently clamped, nailed or screwed in a fashion that maintains maximum surface contact at bonded interfaces. Mechanical fastening should be retained if highly stressed, but can be released after a minimum of 24 hours.

NOTE: Always pre-test and evaluate the material first to ensure it is suitable for application.

Cleaning

Any wet or partially wet adhesive can be removed with a piece of cloth. Dried adhesive is best removed with scraper or by sanding.

Shelf Life

12 months shelf life when stored in a dry and cool place with temperature around 25°C.

Limitations

MF20 is not suitable for the following applications:

- Not suitable for use as a structural adhesive or where high critical loads are required.
- Not to be used as complete a substitute for mechanical fixings, but as part of the overall fixing system.
- Adhesion tests are always recommended to ascertain the bond strength or performance to different substrates.
- Being a solvent based product, Never Nail can affect some substrates that it comes in to contact with.

HEALTH & SAFETY

Safety

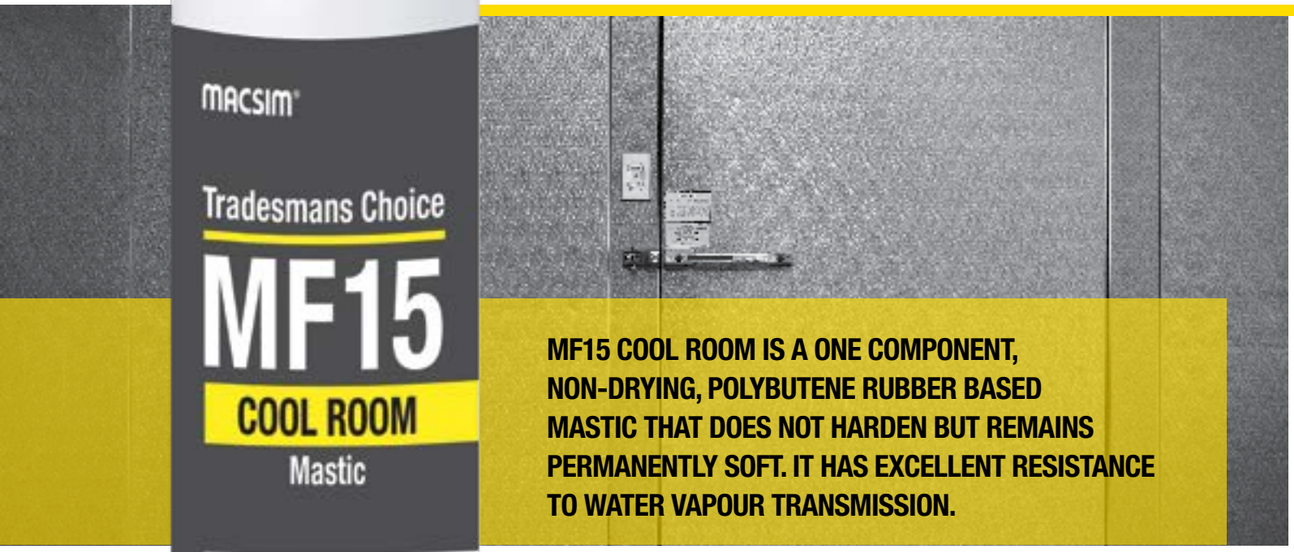
Obtain special instructions before use. Keep away from heat/sparks/ open flames/hot surfaces. - No smoking. Do not breathe dust/fume/ gas/mist/ vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. Ground/ bond container and receiving equipment. Use explosion proof electrical/ventilating/lighting/intrinsically safe equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid release to the environment. Contaminated work clothing should not be allowed out of the workplace.

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. The can be acquired by visiting www.macsim.com.au


MACSIM
Tradesmans Choice
MF15
COOL ROOM
Mastic
WHITE
Non skinning
Low shrinkage
Moisture resistant
Excellent adhesion
Permanently flexible
300mL
MACSIM
Tradesmans Choice
MF15
COOL ROOM
Mastic
WHITE
Non skinning
Low shrinkage
Moisture resistant
Excellent adhesion
Permanently flexible
300mL
MACSIM
Tradesmans Choice
MF15
COOL ROOM
Mastic
WHITE
Non skinning
Low shrinkage
Moisture resistant
Excellent adhesion
Permanently flexible
300mL

MF15 COOL ROOM Mastic



MF15 COOL ROOM IS A ONE COMPONENT, NON-DRYING, POLYBUTENE RUBBER BASED MASTIC THAT DOES NOT HARDEN BUT REMAINS PERMANENTLY SOFT. IT HAS EXCELLENT RESISTANCE TO WATER VAPOUR TRANSMISSION.

FEATURES & BENEFITS

- Non-Skinning Mastic
- Suitable for sealing small joints up to 3mm
- Permanently flexible - non hardening
- Moisture resistant
- Mould & mildew resistant
- Strong adhesion to metals and many substrates
- Safe on polystyrene

PRODUCT RANGE

	White	53TCR

PRODUCT CHARACTERISTICS

Base	Polybutene Rubber
Appearance	Non sagging paste
Service Temperature	-40°C to +80°C

TYPICAL PROPERTIES

Specific Gravity	1.40-1.50 g/mL
Application Temperature	+5°C to +35°C
Shrinkage	5% maximum
Slump	2.5mm maximum
Skin time	Non skinning

APPLICATIONS


Cool room construction & sealing


Sealing lap joints


Sandwich Panels

SUBSTRATES

Polystyrene


Metal


Timber


Fiberglass


Steel


***Plastic**

***Pre-testing required**

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

Surfaces must be clean and dry, as well as free of wax, grease, dust and any other foreign materials.

Applications Instructions

1. For a neat finish, apply masking tape and remove it before sealant skins over.
2. Cut nozzle at 45° angle to desired bead-width and apply to substrate with caulking gun.
3. Use approved backing material for joints over 10mm deep.

Cleaning

Uncured sealant can be cleaned up with mineral spirits or kerosene.

Shelf Life

12 months shelf life when stored in a dry and cool place away from direct sunlight (around +25°C).

Limitations

MF15 Cool Room is not suitable for the following applications

- Exposed joints where dirt can be easily picked-up and hand contact
- Dynamic stress

HEALTH & SAFETY

Safety

Read label before use. Keep out of reach of children. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Get medical advice/attention if you feel unwell.

If poisoning occurs Contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. This can be acquired by visiting www.macsim.com.au


MACSIM
Tradesmans Choice
MS701
ALL ROUNDER
Multipurpose MS Polymer
CRYSTAL CLEAR
SEALS UNDER WATER
Seals on wet surfaces
Excellent adhesion
No shrinkage & bubble free
Paintable
Neutral Cure
300mL
MACSIM
Tradesmans Choice
MS801
INSTANT GRAB
Universal Adhesive Sealant
WHITE
Extremely high initial tack
Moisture & weather resistant
High mechanical resistance
Isocyanate & solvent free
No shrinkage & bubble free
Non corrosive to metals
Permanently elastic
300mL
MACSIM
Tradesmans Choice
600mL
MS601
MS POLYMER
Professional Sealant
ASTM C920/ ISO11600 Compliant
±50% Movement Capability
Good UV Resistance
Silicone/ Isocyanate/ Solvent Free
Reactive Plasticizer
Prime-less Bonding to most Surfaces

MS601 MS POLYMER Professional Sealant

MS601 MS POLYMER IS A GENERAL PURPOSE SEALANT BASED ON ADVANCED MS POLYMER TECHNOLOGY. IT IS A SINGLE-COMPONENT ELASTOMERIC SEALANT WITH SUPERIOR WEATHERING, UV, & TEMPERATURE RESISTANCE. THIS ELASTOMERIC SEALANT IS PERMANENTLY ELASTIC UPON CURING & HAS A MOVEMENT CAPABILITY OF ±50%.

Specially formulated to achieve superior performance & low VOC, MS601 is able to comply to the stringent requirements of ASTM C920 as well as the SCAQMD rule #1168 (Architectural Sealant) for low VOC.

FEATURES & BENEFITS

- ASTM C920/ ISO11600 compliant
- ±50% movement capability
- Good UV resistance
- Low static charge – Less dirt streaking
- Silicone free – Paintable
- Isocyanate free – No air bubbling
- Solvent free – No shrinkage
- Reactive plasticizer – Non-staining
- Primer-less bonding to most surfaces

PRODUCT RANGE

●	Black	53PMSPSB	600mL
●	Grey	53PMSPSG	600mL
●	White	53PMSPSW	600mL

PRODUCT CHARACTERISTICS

Base	1-component MS Polymer
Appearance	Soft paste
Curing Method	Moisture curing
Service Temperature	-30°C to +100°C

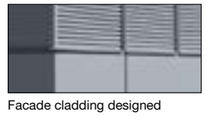
TYPICAL PROPERTIES

Movement Capability	±50% (ASTM C719)
Elongation @ Break	600% (ASTM D 412)
Tack Free Time	30-60 minutes
Shore A. Hardness	25-35 (ASTM C661)
Tensile Strength	>1.0 N/mm² (ASTM D412)
Lap Shear Strength	>0.5 N/mm² (ASTM D1002)
Density	Approx. 1.55g/mL
Application Temperature	+5°C to +40°C
Low VOC Compliant	<10g/Ltr (USEPA Method 24)

NOTE: All data provided is based on 25°C and 50% Humidity Conditions.

APPLICATIONS

Sealing concrete joints like wall panel joints, expansion joints, control joints.



Facade cladding designed with metal panels or natural stones can be sealed.

Window frame perimeter sealing especially when the sealant needs to be painted.

SUBSTRATES

Aluminium

Sandstone/Granite

Cement Sheet

Glass

Fibre Glass

Steel

Plasterboard

Concrete

Masonry

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

Substrate surface must be dry and clean; free of dirt, grease, oil, or standing water. Use the two-cloth method to clean if surface is dirty. For a neat finishing, use masking tapes and remove it within the working time. For sealant designs with depths of over 10 mm, use approved backing materials.

Priming

Primer is recommended especially for porous substrates such as concrete for excellent adhesion.

Applications Instructions

1. Cut the tip of the sausage carefully and slip it into the caulking gun.
2. Cut the nozzle into an appropriate diameter at an angle of approximately 45° to 60°.
3. Place the nozzle into the caulking gun & screw tight.
4. Extrude the sealant with a single bead.
5. Tool the sealant bead with a clean and dry tool within the working time for a smooth finishing.

Cleaning

Wet sealants can be cleaned up with acetone or mineral spirits. Cured sealants can only be removed mechanically.

Shelf Life

12 months shelf life when stored in a dry and cool place with temperature around 25ºC.

Joint Design

- The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion & contraction.
- Generally calculation of the width sealant bead should be computed on the basis of a maximum ±50% movement capability
- Minimum bead size should not be less than 3 mm to accommodate movement.
- Sealant design joint width-to-depth ratio should be 2:1.

Limitations

MS601 is not suitable for the following applications

- Below waterline or permanent water immersion.
- Outdoor glass substrates sealing.
- Polyethylene, polypropylene, polytetrafluoroethylene (Teflon), neoprene, and bituminous surfaces.
- Paintable with alkyd resin paint.
- Used on trafficable joints greater than 10 mm width. For trafficable joint above 10 mm width, a steel cover plate is required.

HEALTH & SAFETY

Safety

Harmful to aquatic life. Avoid release to the environment.

If poisoning occurs, contact Poisons Information Centre:
Australia: 13 11 26; New Zealand: 0800 764 766.

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. This can be acquired by visiting www.macsim.com.au.

MS701 ALL ROUNDER

Multipurpose MS Polymer

MS701 ALL ROUNDER IS A HIGH PERFORMANCE, HIGH STRENGTH, CRYSTAL CLEAR, NEUTRAL, ELASTIC, ONE COMPONENT ADHESIVE BASED ON MS POLYMER. IT CURES TO FORM A PERMANENT, FLEXIBLE SEAL. IT HAS A TOUGH BOND AND CAN BE USED UNDER WATER.

FEATURES & BENEFITS

- **SEALS UNDER WATER**
- Seals on wet surfaces
- Crystal Clear Adhesive and Sealant
- Excellent adhesion even in wet conditions
- No shrinkage and bubble free
- Neutral curing
- Excellent mechanical resistance
- Good extrudability at low temperatures
- Free of solvents, isocyanate, and silicones
- Can be painted with water based paints
- Remains permanently elastic after curing
- Food safe
- Sanitary

PRODUCT RANGE

◯	Crystal Clear	53TARC	300mL

PRODUCT CHARACTERISTICS

Composition	Hybrid Polymer
Appearance	Stable Paste
Curing Method	Moisture curing
Service Temperature	-40°C to +80°C

TYPICAL PROPERTIES

Movement Capability	± 20%
Elongation @ Break	250% (DIN 53504)
Skinning Time	Approx. 15 mins
Tack Free Time	60 minutes
Rate of Cure	2mm per 24 hours
Shore A. Hardness	37 (24 hours)
Tensile Strength	0.8 N/mm² (DIN 53504)
Specific Gravity	1.04g/mL
Elastic Recovery	>75% (ISO 7389)
Application Temperature	+5°C to +35°C
VOC Rating	Low VOC

NOTE: All data provided is based on 20°C and 65% Humidity Conditions.

APPLICATIONS

All common bonding and sealing applications, both in & outdoor.

Transparent & elastic bonding in construction and building applications.

Invisible bonding of glass and other transparent materials in indoor applications.

Joins in bathrooms and kitchen.

SUBSTRATES

Glass

Concrete

Wood

PVC

Plastic

Metals

Stone

Ceramics

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING

www.macsim.com.au.

SCAN HERE >>

Surface Preparation

Surfaces to be bonded must be clean, as well as free of wax, grease, dust and any other foreign materials so that the adhesive bond is not compromised. All Rounder will adhere to most nonporous surfaces without the use of a primer. Porous surfaces in water applications should be primed first.

Priming

It is advisable to conduct preliminary adhesion tests on substrates where the application is critical or if the adhesion performance is unknown.

Applications Instructions

Sealing

1. Cut nozzle at a 45° angle and extrude a bead of the All Rounder onto the bottom of the joint.
2. Smooth the bead and tool immediately using a silicone spatula.

Bonding

1. Cut nozzle at a 45° angle and extrude a bead of the All Rounder onto one of the two substrates to be bonded.
2. Push the substrates firmly together before All Rounder skins over.

Note: If the substrates need to be adjusted slightly do so immediately

Joint Design

Bonding

Min width: 1mm; Max width: 3mm

Joints

Min width: 5mm; Max width: 10mm

Cleaning

Remove excess uncured adhesive with a sealant spatula immediately.

Cured adhesive can be removed mechanically.

Shelf Life

12 months shelf life when stored in a dry environment and between+5°C and +27°C.

Limitations

Not suitable for use on:

- PE, PP, PC, PMMA, PTFE, soft plastics, neoprene & bituminous surfaces
- Natural stone
- Structuring glazing or structural applications
- Can become less UV stable if exposed to UV for long periods of time

HEALTH & SAFETY

Safety

Handle under inert gas. Protect from moisture. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/ face protection. Do not eat, drink or smoke when using this product. Avoid release to the environment. Keep away from any possible contact with water, because of violent reaction and possible flash fire.

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. Visit www.macsim.com.au.

MS801 SUPER GRAB

Multipurpose Adhesive Sealant

MS801 SUPER GRAB IS A HIGH QUALITY PROFESSIONAL ADHESIVE WITH AN EXTREMELY HIGH INITIAL TACK BASED ON HYBRID TECHNOLOGY. IT CURES UNDER INFLUENCE OF HUMIDITY TO FORM A DURABLE ELASTIC RUBBER.

FEATURES & BENEFITS

- Extremely high initial tack
- No mechanical support required during curing up to 10Kg
- High mechanical resistance, end strength & E-Modulus
- Free of isocyanates, solvents & silicones
- Permanently elastic
- No shrinkage & bubble free
- Non corrosive towards metals
- Neutral curing, almost odourless
- Resistant to moisture & weather
- Adheres without primer on most surfaces, even damp surfaces

PRODUCT RANGE

	White	53PHT	300mL

PRODUCT CHARACTERISTICS

Composition	Hybrid Polymer
Appearance	Stable Paste
Curing Method	Moisture curing
Service Temperature	-40°C to +80°C

TYPICAL PROPERTIES

Movement Capability	± 25%
Elongation @ Break	152%
Skinning Time	Approx. 10 mins
Tack Free Time	60 minutes
Rate of Cure	2-3mm per 24 hours
Shore A. Hardness	45 (24 hours)
Tensile Strength	2.26 N/mm² (DIN 53504)
Specific Gravity	1.57g/mL
Elastic Recovery	>75% (ISO 7389)
Application Temperature	+5°C to +45°C
VOC Rating	Low VOC

NOTE: All data provided is based on 23°C and 50% Humidity Conditions.

APPLICATIONS


Residential


Commercial


Industrial

SUBSTRATES


Glass & Mirror


Concrete


Wood


Ceramics


PVC/ PU /Plastic


Most Metals


Stone


HPL/Fibre Cement


Plasterboard

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING

www.macsim.com.au.

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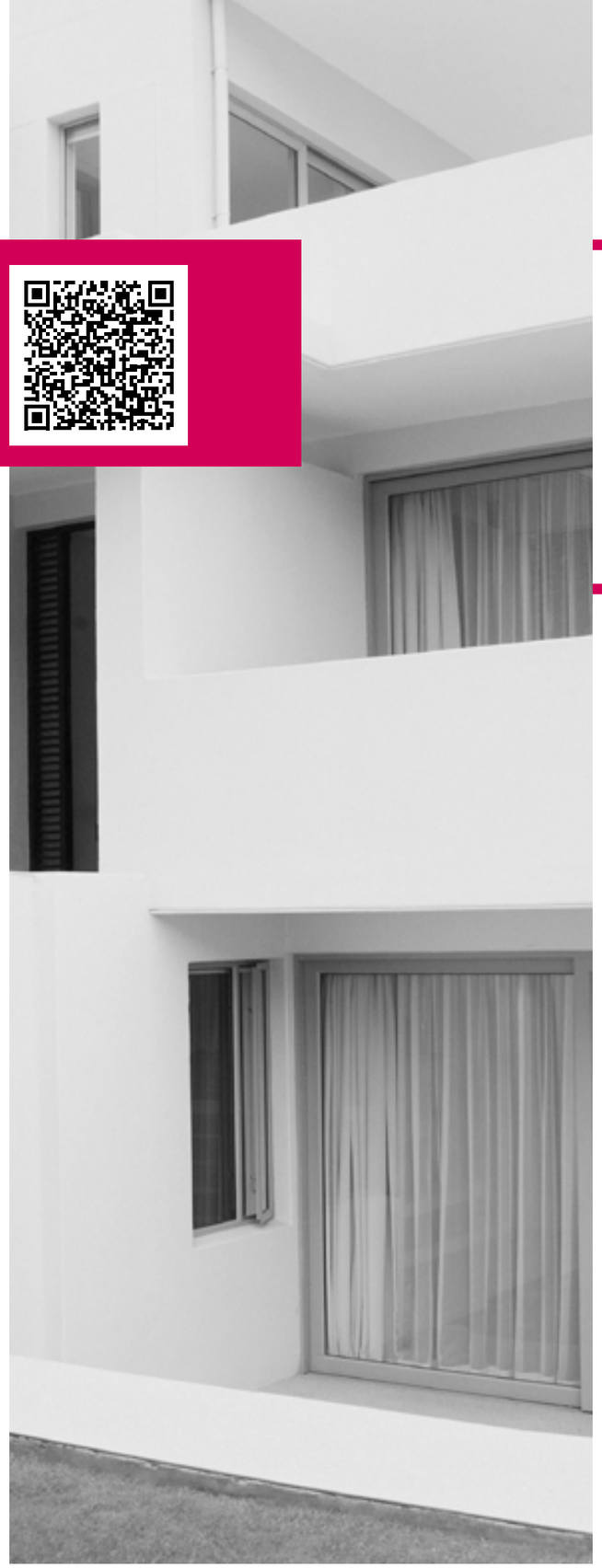


Surface Preparation

All surfaces must be solid, clean and free from grease, dust. Instant Grab adheres perfectly without the use of primer to most non porous substrates. Always test adhesion prior to application.

Applications Instructions

Sealing

1. Cut nozzle at a 45º angle and extrude a bead of the Instant Grab onto the bottom of the joint.
2. Smooth the bead and tool immediately using a silicone spatula.

Note: Ensure there is no water penetration between surface and sealant.

Bonding

1. Cut nozzle at a 45º angle and extrude a bead of the Instant Grab onto one of the two substrates to be bonded.
2. Push the substrates firmly together before Instant Grab skins over.

Note: If the substrates need to be adjusted slightly do so immediately

Cleaning

Remove excess uncured adhesive with a sealant spatula immediately.
Cured adhesive can be removed mechanically.

Shelf Life

12 months shelf life when stored in a dry environment and between+5ºC and +27ºC.

Limitations

Not suitable for use on:

- PE, PP, PC, PMMA, PTFE, soft plastics, neoprene & bituminous surfaces
- Natural stone
- Structuring glazing or structural applications
- Continuous water immersion
- Can become less UV stable if exposed to UV for long periods of time

HEALTH & SAFETY

Safety

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/eye protection/face protection. Avoid breathing mist/vapours/spray. Do not eat, drink or smoke when using this product. Avoid release to the environment.

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. This can be acquired by visiting www.macsim.com.au.


MACSIM
Tradesmans Choice
MF06
FIRESEAL 6
Professional Sealant
GREY
4 hours fire rated
(AS1530-Part 4, 1997)
Water based
Paintable
UV resistant
Low VOC
300mL
MACSIM
Tradesmans Choice
MF90
DUCT SEALANT
Water Based Acrylic
GREY
Water based
Tough & flexible
Fire resistant
Paintable
300mL
MACSIM
Tradesmans Choice
MF90
DUCT SEALANT
Water Based Acrylic
GREY
4 Hour Fire Resistance
Tough & Flexible
LOW VOC
Indoor/ Outdoor Use
5 Litres
MF06
FIRESEAL 6
MS605
FIRESEAL 5
Polyurethane Sealant
MS602
JOIN N FLEX
Polyurethane HYBRID
Solvent & Isocyanate Free
Low VOC
Low Odour & Non Corrosive
Joint Movement Up to ±50%
Non Slump
Paintable

MF06 FIRESEAL 6 Professional Sealant

MF06 FIRESEAL 6 IS A FLEXIBLE, ONE COMPONENT ACRYLIC SEALANT, FIRE-RATED UP TO 4 HOURS (AS1530-PART 4, 1997) FOR SEALING INTERIOR AND VERTICAL EXTERIOR JOINTS UP TO 50MM WIDE, SUBJECT TO MODERATE MOVEMENT.

FEATURES & BENEFITS

- 4 Hours fire rated (Meets standard AS1530-Part 4, 1997)
- Water based
- Paintable
- UV Resistant
- Low VOC

PRODUCT RANGE

●	Grey	53FIRECRYL300	300mL
●	Grey	53FIRECRYL600	600mL

PRODUCT CHARACTERISTICS

Base	Acrylic Sealant
Appearance	Thixotropic paste
Curing Method	Moisture curing
Service Temperature	-30°C to +80°C

TYPICAL PROPERTIES

Movement Capability	± 20%
Elongation @ Break	≥ 50%
Skinning Time	5-10 minutes
Tack Free Time	10-15 minutes
Flash Point	>90°C
Shore A. Hardness	60
Sag	≤1mm
Extrudability	300g/min.
Specific Gravity	1.7g/mL
Recovery Elastic	≥40%
Application Temperature	+5°C to +45°C
Solid Content	80%

NOTE: All data provided is based on 25°C and 50% Humidity Conditions.

SUBSTRATES


Concrete


Mortar


Masonry


Plasterboard


Galvanised


Aluminium

APPLICATIONS


Sealing exterior and interior construction joints that have a joint movement of ±20% in tilt up concrete panels, brick and block work


Filling gaps around cables, ducts, metal pipes that penetrate walls, floors and ceilings.


Can be used as a putty for filling holes in fire rated substrates where joint movement is not required.

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING

www.macsim.com.au.

SCAN HERE >>

Surface Preparation

Substrate surface must be dry and clean, free of dirt, grease, oil, or standing water.

Applications Instructions

1. Mask smooth surfaces to simplify clean up.
2. Cut tip off cartridge.
3. Cut nozzle to desired size at 45° angle & screw nozzle onto cartridge.
4. Insert cartridge into caulking gun & push sealant ahead for uniform bead.
5. Tool immediately.
6. Clean off excess sealant.

Cleaning

Uncured sealant can be cleaned up with water or a damp cloth.

Limitations

MF06 Fireseal 6 is not suitable for the following applications:

- Surfaces that bleed oil.
- Areas of constant water immersion.
- Joint movement more than 20%.
- Assembling of structural glass.
- Will not adhere to some plastics such as polyethylene, polypropylene, and Teflon.
- Do not apply outdoors where rain is likely within 2 hours of application.

Shelf Life

24 months shelf life when stored in a dry and cool place with temperature between +5°C to +25°C.

HEALTH & SAFETY

Safety

Obtain special instructions before use. Keep away from heat/sparks/ open flames/hot surfaces. - No smoking. Use personal protective equipment as required. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/ face protection.

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. The can be acquired by visiting www.macsim.com.au

MS605 FIRESEAL 5 Polyurethane Sealant

MS605 FIRESEAL 5 IS A ONE COMPONENT, MEDIUM MODULUS POLYURETHANE SEALANT THAT CURES ON EXPOSURE TO ATMOSPHERIC HUMIDITY AND IS CAPABLE OF ENDURING DIRECT FLAME TO CERTAIN DEGREES.

FEATURES & BENEFITS

- > 4 Hours fire resistance in certain conditions without using back filling materials. (AS1530.4-2005; AS4072.1 compliant)
- 25% joint movement
- No surface tackiness after full cure
- Does not pick up dirt
- No shrinkage
- Cures bubble free
- Enhanced storage stability
- Non-sagging (Thixotropic)
- Can be applied with barrel or caulking gun and tooled easily
- Paintable

PRODUCT RANGE

	Limestone	53FIRECRYLPU600	600mL

PRODUCT CHARACTERISTICS

Base	Polyurethane
Appearance	Thixotropic paste
Curing Method	Moisture curing
Service Temperature	-40°C to + 90°C

TYPICAL PROPERTIES

BEFORE CURING	
Density	1.2-1.25g/mL
Tack Free Time	30-60 minutes
Flash Point	>90°C
Curing Rate	Min. 2.5mm/day
Sag	0mm (EN ISO 7390)
Application Temperature	+5°C to +40°C

AFTER CURING	
Shore A Hardness	35-40 After 28 days (ASTM C661)
Paintable	Yes*
Recover Elastic	≥70% (ISO 7389)

GLASS - GLASS	
Elongation at Break	≥200% (ISO 8339)
E100 Modulus (23°C)	0.35-0.40 n/mm² (ISO 8339)
E100 Modulus (-20°C)	≤0.60 n/mm² (ISO 8339)

DUMBLE TEST	
Elongation at Break	≥600% (ASTM D412)
Tensile Strength	1.5-2.0 N/mm² (ASTM D412)

NOTE: All data provided is based on 23°C and 50% Humidity Conditions.

SUBSTRATES


Glass


Aluminium

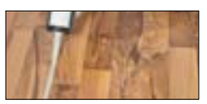

Stainless Steel


Wood


Plastics


Concrete

APPLICATIONS


Fire seal of movement and connection joints in floors


Expansion joints between pre-cast concrete panels.


Joints between prefabricated construction materials


Fire stop sealing & bonding of ventilation ducts, gutters & spouts.

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

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Surface Preparation

Substrate surface must be dry and clean, free of dirt, grease, oil, or standing water.

Applications Instructions

1. Cut the tip of the sausage carefully and slip it into the caulking gun.
2. Cut the nozzle into an appropriate diameter at an angle of approximately 45° to 60°.
3. Place the nozzle into the caulking gun and screw tight.
4. Extrude the sealant with a single bead.
5. Tool the sealant bead with a clean and dry tool within the working time for a smooth finishing.

NOTE: If necessary use back up material to adjust joint depth. Sealants should adhere to only two surfaces of the joint: Use backer rods and bond breakers to facilitate.

Joint Width/Depth

Joint width/depth ratio should be 2:1

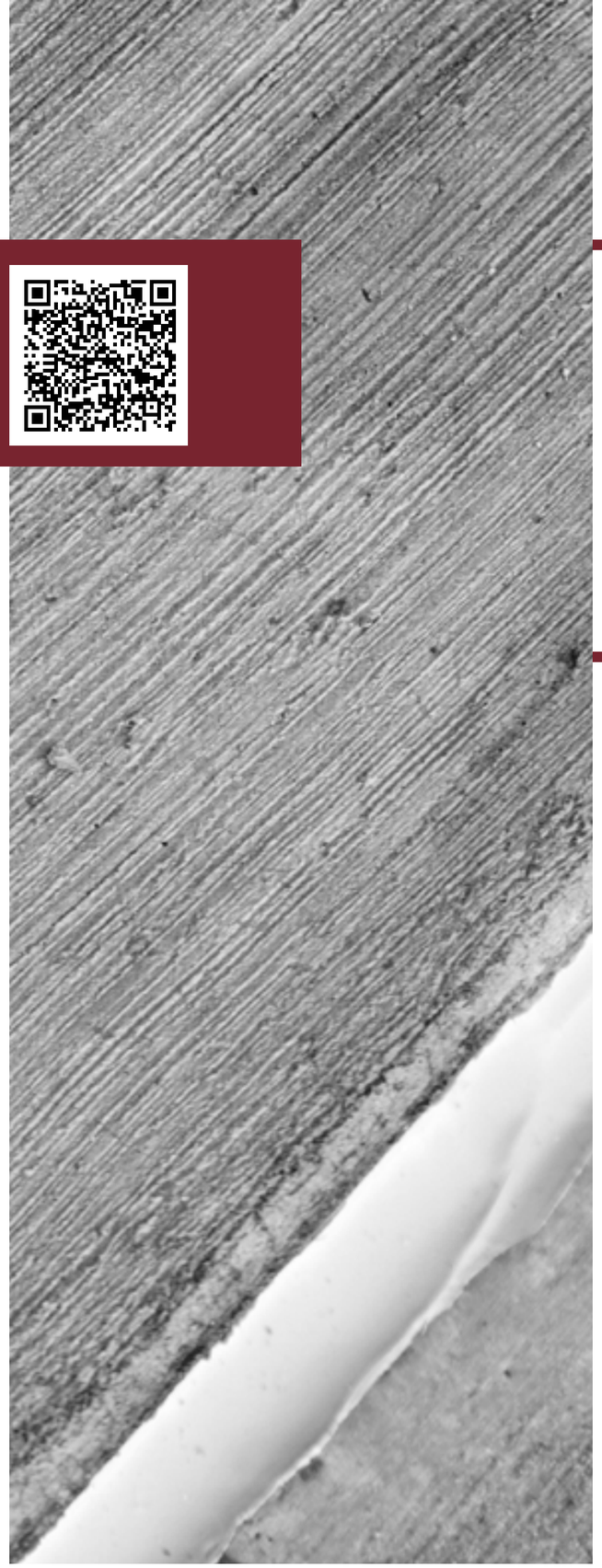
Joint Width	15mm	20mm	25mm	30mm	35mm
Joint Depth	8mm	10mm	12mm	15mm	15mm
Joint Length / 600mL	5M	3M	2M	1.3M	1.1M

Cleaning

Cured material removed by mechanical means only.

Shelf Life

12 months shelf life when stored in a dry and cool place with temperature between +5ºC to +25ºC.



Limitations

MS605 Fireseal 5 is not suitable for the following applications:

- Confined spaces where sealant cannot cure to lack of atmospheric moisture.
- Areas of constant water immersion.
- Frozen or wet surfaces or through standing water.
- Prolonged exposure to direct sunlight can cause discolouring.
- Avoid application below 5ºC and above +40ºC.

HEALTH & SAFETY

Safety

Avoid breathing dust/fume/gas/mist/ vapours/spray. In case of inadequate ventilation wear respiratory protection.

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. The can be acquired by visiting www.macsim.com.au

MF90 DUCT SEALANT
Water Based Acrylic

MF90 DUCT SEALANT IS A WATER BASED ACRYLIC FIRE STOP SEALANT THAT PROVIDES MOVEMENT CAPABILITY FOR FIRE-RATED JOINT APPLICATIONS. IT HAS FOUR HOURS FIRE RATING UNDER BS EN 1366-4: 2006.

FEATURES & BENEFITS

- **4 Hour Fire Resistance**
- Tough & Flexible
- Indoor/ Outdoor Use
- Non corrosive towards metals
- After drying it forms a tough elastic seal
- Good primer-less adhesion on most substrates
- Non slump
- Low VOC

PRODUCT RANGE

●	Grey	53MDS	300mL
●	Grey	53MDS5	5Litre

PRODUCT CHARACTERISTICS

Base	Acrylic Emulsion
Appearance	Soft paste
Curing Method	Water evaporation
Service Temperature	-10°C to +75°C

TYPICAL PROPERTIES

Movement Capability	± 20%
Elongation @ Break	>100%
Skinning Time	<10 minutes
Shore A. Hardness	30-40 (ASTM C661)
Tensile Strength	>0.3 N/mm² (ASTM D412)
Specific Gravity	1.45-1.50g/mL
Application Temperature	+5°C to +40°C
VOC Content	74g/L
Low VOC Compliance	SCAQMD Rule #1168

NOTE: All data provided is based on 25°C and 50% Humidity Conditions.

SUBSTRATES


Metal


Galvanised


Stainless Steel

APPLICATIONS


Air-conditioning ducts


Indoor joints with fire retardant requirements such as: joints between walls and ceiling, joints around pipe and cable work, perimeter sealing of fire rated doors and window.

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

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Surface Preparation

Substrate surface must be dry and clean, free of dirt, grease, oil, or standing water. Use the two-cloth method to clean if surface is dirty. For a neat finish, use masking tape and remove it within the working time. For sealant design with depths of over 10mm, use approved backing materials.

Applications Instructions

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. Do not use soap or detergent.
3. For a neat finish, apply masking tape and remove it before sealant skins over.
4. Cut nozzle at 45° angle to desired bead-width and apply to substrate with caulking gun.
5. Tool the sealant within 10 minutes of extrusion before it skins.
6. Allow to dry for one hour before applying water-based paint and 24 hours for oil-based paint.
7. Uncured sealant can be cleaned up with damp cloth.

Cleaning

- Wet sealants can be cleaned up with acetone or mineral spirits.
- Cured sealants can only be removed mechanically.

Limitations

MF90 Duct Sealant is not suitable for the following applications

- Continuous water immersion and not for PE, PP, Teflon and bituminous surfaces.
- Painting over with highly filled emulsion paints can cause cracks in paint film.

Joint Design

- The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion and contraction.
- Minimum bead size should not be less than 3mm to accommodate movement.
- Sealant design joint width-to-depth ration should be 2:1.

Shelf Life

24 months shelf life when stored in a dry and cool place with temperature below 30ºC. (Do not store below 5ºC)

HEALTH & SAFETY

Safety

Wear protective gloves/protective clothing/eye protection/face protection.

If poisoning occurs, contact Poisons Information Centre:

Australia: 13 11 26; New Zealand: 0800 764 766.

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. The can be acquired by visiting www.macsim.com.au

MS602 JOIN N FLEX
Polyurethane HYBRID

MS602 JOIN N FLEX IS A LOW MODULUS, HYBRID POLYURETHANE, FLEXIBLE JOINT SEALANT & ADHESIVE THAT IS FREE OF ISOCYANATE & OTHER HAZARDOUS RAW MATERIALS & OMITS LOW ODOUR. JOIN N FLEX HAS BEEN FORMULATED TO OFFER OUTSTANDING ADHESION TO MOST COMMON BUILDING & AUTOMOTIVE MATERIALS.

FEATURES & BENEFITS

- Solvent & Isocyanate Free
- Low VOC
- Low odour
- Non corrosive
- Joint movement total 50%
- Non slump
- Paintable

PRODUCT RANGE

●	Black	53HJNFSB	600mL
●	Grey	53HJNFSG	600mL
●	White	53HJNFSW	600mL

PRODUCT CHARACTERISTICS

Composition	Polyurethane HYBRID
Appearance	Thixotropic, non sag paste
Curing Method	Moisture curing
Service Temperature	-40°C to +90°C

TYPICAL PROPERTIES

Movement Capability	Total 50%
Elongation @ Break	Approx. >450%
Skinning Time	Approx. 35 minutes
Tack Free Time	60 minutes
Rate of Cure	2.5mm per 24 hours
Shore A. Hardness	45 ± 5
Tensile Strength	>0.7 N/mm²
Specific Gravity	1.6g/mL (DIN 52451-A)
Application Temperature	+5°C to +45°C
VOC Rating	34g/L

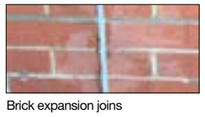
NOTE: All data provided is based on 25°C and 50% Humidity Conditions.

APPLICATIONS


Building joints with high movement


Concrete precast/ tilt up joints


Joints in windows/door frames


Brick expansion joins


Sealing metal roofing


Sound dampening: suitable for the interface of anti-corrosion seals in areas of rivets, bolts & hinges

SUBSTRATES


Aluminium


Sandstone/Granite


Cement Sheet


Glass


Fibre Glass


Steel


Plasterboard


Concrete


Masonry

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

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Surface Preparation

Surfaces to be bonded must be clean and dry, as well as free of wax, grease, dust and any other foreign materials so that the adhesive bond is not compromised.

Priming

It is advisable to conduct preliminary adhesion tests on substrates where the application is critical or if the adhesion performance is unknown.

Applications Instructions

Cut nozzle at a sharp angle slightly wider than the desired Bead or joint width. If being installed as a joint sealant, always use a suitable backing rod to ensure the correct depth is achieved. The joint depth should be half of the joint width. Extrude sealant with a caulking gun and tool with a round spatula within 10 minutes to spread the sealant against joint surfaces.

Joint Design

- Join n Flex has a high body designed not to slump in joints up to 40mm in width.
- To allow the sealant to move effectively, the correct joint design requires that the sealant depth must be half of the width of the joint.
- A suitable closed cell must be used to ensure that the correct joint depth is achieved.

Cleaning

Cured material removed by mechanical means only.

Curing

Cure speed is dependent upon the temperature, humidity, depth of sealant and substrate. Typically, a joint will form a firm skin in one hour and takes up to seven days to fully cure. In cold climates, the cure time may extend beyond seven days.

Limitations

- Join n Flex will bond to most common construction substrates, however an adhesion test on sample substrates should be conducted to ensure adequate adhesion in the finished application.
- In waterproofing applications, Join n Flex should be left to cure a minimum of 8 hours prior to being covered by any membrane/ sealer system.
- Tests should be conducted to ensure that there are no adverse reactions between Join n Flex and a membrane coating system.
- Will not adhere to some plastics, polyethylene, polypropylene & Teflon.

Shelf Life

12 months shelf life when stored in a dry environment and between +5ºC and +25ºC.

HEALTH & SAFETY

Safety

Keep away from heat/sparks/open flames/ hot surfaces. - No smoking. Handle under inert gas. Protect from moisture. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Keep away from any possible contact with water, because of violent reaction and possible flash fire.

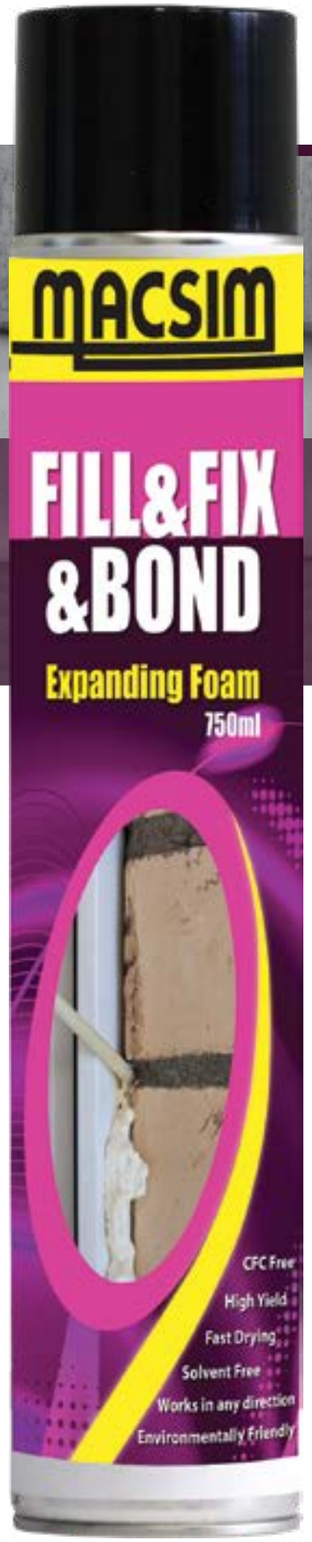
If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice refer to the Safety Data Sheet. Visit www.macsim.com.au


MACSIM
FILL&FIX
&BOND
Expanding Foam
750ml
CFC Free
High Yield
Fast Drying
Solvent Free
Works in any direction
Environmentally Friendly
MACSIM®
FIRE
FOAM
Fire Retardant Foam

PU01

FILL & FIX & BOND
Expanding Foam



FILL & FIX & BOND IS A ONE-COMPONENT, READY TO USE, MULTIPURPOSE POLYURETHANE FOAM. IT IS FITTED WITH A PLASTIC ADAPTER FOR USE WITH A FOAM APPLICATION GUN OR STRAW. IT IS HAS EXCELLENT MOUNTING CAPACITIES, HIGH THERMAL & ACOUSTICAL INSULATION. IT IS MOULD PROOF AND MOISTURE RESISTANT.

FEATURES & BENEFITS

- Good insulation characteristics
- CFC free
- High yield
- Fast drying
- Solvent free
- Works in any direction
- Environmentally friendly
- Good adhesion to most building materials

PRODUCT RANGE

	Cream	53MPF750	750mL

PRODUCT CHARACTERISTICS

Composition	Compressed Liquid
Appearance	Stable foam
Service Temperature	-30°C to +85°C

TYPICAL PROPERTIES

Skinning Time	12 minutes
Cutting in Time	25 minutes
Yield	30-40 Litres
Volume Shrinkage	3%
Adhesive Strength	120 kPa
Post Expansion	None
Cellular Structure	60-65% open cells
Gravity	18-22 kg/m³
Tensile Strength	45 kPa (10%)
Application Temperature	+5°C to +40°C
Odour	Low Odour

APPLICATIONS


Insulating door & window frames


Filling holes, gaps, joints, cavities


Connecting of insulation materials & roof construction


Electrical sealing & insulation

SUBSTRATES


Plasterboard


Particle Board


Wood


Aluminium


Galvanised Iron


Concrete


Fiberglass


Cement Sheet


Masonry

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

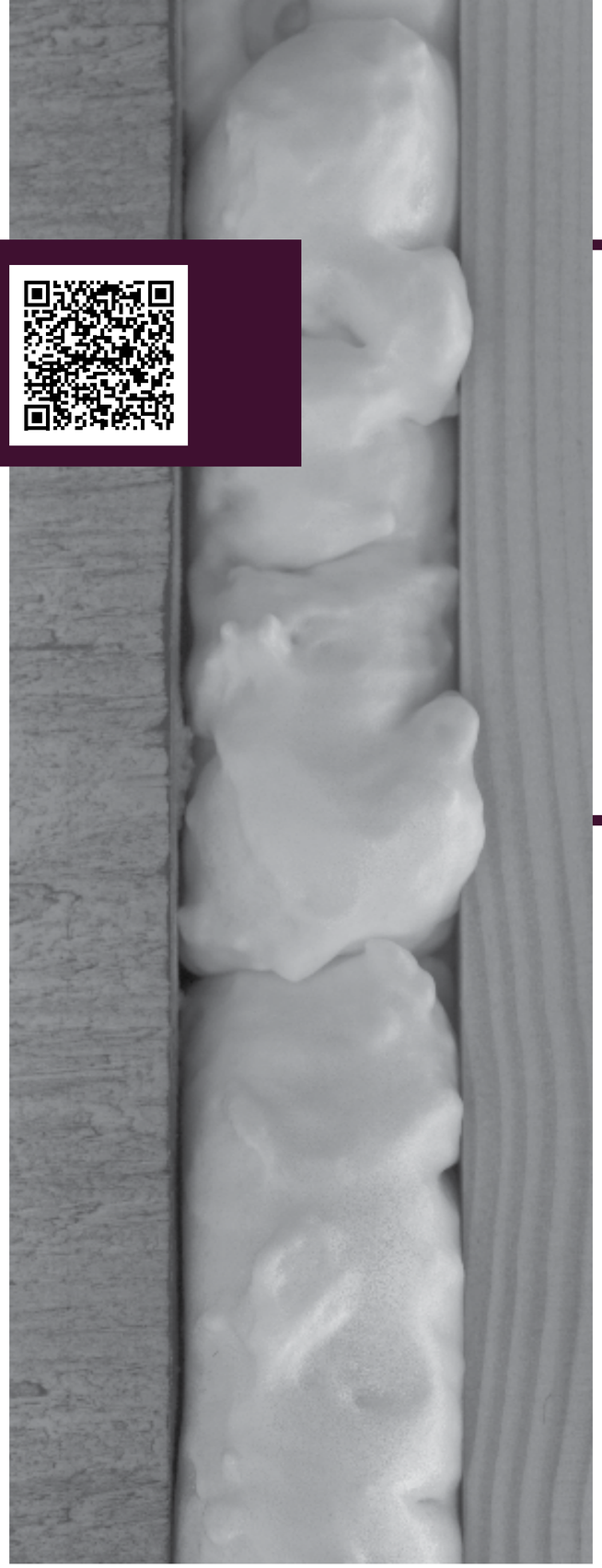
All surfaces must be clean, sound and free from dust, grease, oil and contamination. High humidity and dampness will aid the expansion of the foam, however, the surfaces should not be wet. Spraying a fine mist of water into the cavity will aid expansion of the foam.

Applications Instructions

1. Shake can at least 20 times before each use to ensure that contents are mixed. Screw trigger and nozzle onto the can. To inject the foam, turn the can upside down and direct nozzle into the cavity.
2. Press trigger to release foam.
   When filling large cavities, do no empty the whole can at once. Fill in stages, allowing the foam to expand between each stage.
3. Inject the foam to cover a single layer. Depending on conditions, the foam should skin in about 12 minutes. After it has skinned, spray a fine mist of water onto the foam. Inject the next layer of foam.
4. Repeat until the cavity is 1/3 to ½ filled.
5. Trim cured foam using a saw, knife, or sandpaper
6. Finish with Gap Filler to produce a neat and tidy finish. Paint with an exterior grade acrylic.

Cleaning

Can be cleaned up with PU cleaner.
Cured adhesive can be removed mechanically.



Limitations

Not recommended for structural fittings and:

- To surfaces that are in direct contact with food.
- Not suitable for areas of constant water immersion.
- Structural glazing
- Joints where abrasion is encountered.
- Will not adhere to some plastics such as polyethylene, polypropylene and Teflon.
- Contact with solvent based contact glue

Shelf Life

12 month shelf life in unopened, original container if stored under recommended conditions. Store in a cool, dry area at temperatures between +5ºC to +25ºC.

HEALTH & SAFETY

Safety

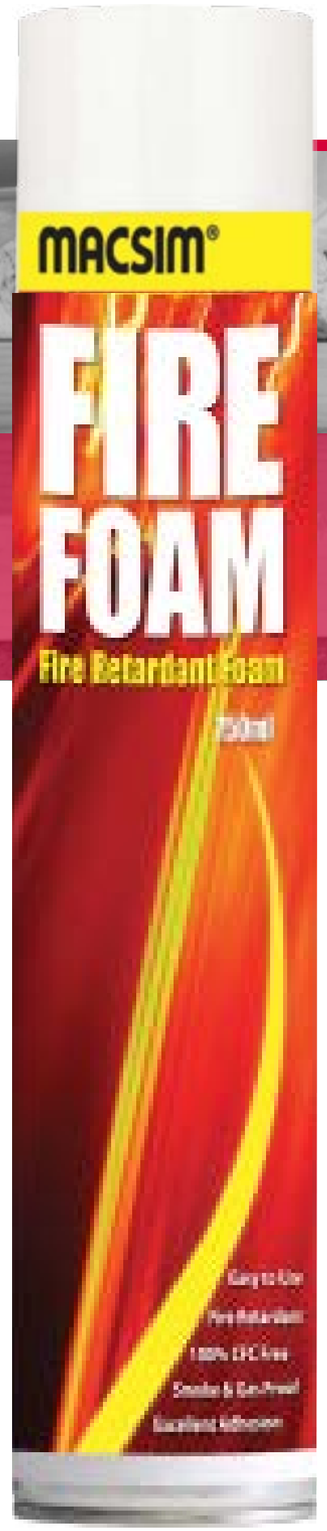
Obtain special instructions before use. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/ face protection. Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace.

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice on first aid, safe handling, storage and disposal of this product refer to the Safety Data Sheet. The can be acquired by visiting www.macsim.com.au

PU02

FIRE FOAM
Fire Retardant Foam



FIRE-RESISTANT PU FIRE FOAM IS A ONE-COMPONENT, SELF-INFLATED, HIGH EXTRUSION CAPACITY, MULTI-PURPOSE POLYURETHANE FOAM. IT IS VERY GOOD FOR FILLING & SEALING WITH EXCELLENT MOUNTING CAPACITIES, HIGH THERMAL & ACOUSTICAL INSULATION. IT IS FIRE RESISTANT & BLOCKS HARMFUL COMBUSTION GASES FROM SPREADING.

FEATURES & BENEFITS

- Fire retardant.
- Cured foam can be cut, sanded, plastered or painted.
- Efficient seal against smoke and gas.
- Excellent adhesion on most substrates (except Teflon, PE and PP_)
- High thermal and acoustical insulation.
- Very good filling capacities
- Can be painted after full cure
  100% CFC Free

PRODUCT RANGE

	Pink	53FRF	750mL

PRODUCT CHARACTERISTICS

Composition	Compressed Liquid
Appearance	Stable foam
Service Temperature	-50°C to +90°C

TYPICAL PROPERTIES

Skinning Time	15-25 minutes
Cutting in Time	1-2 hours
Drying Time	>15 hours
Yield	45-50
Fire Class	B2 (DIN 4102)
Compressive Strength	185 kPa
Adhesive Strength	120 kPa
Cellular Structure	60-65% open cells
Gravity	15-22 kg/m³
Tensile Strength	38 kPa (10%)
Application Temperature	+5°C to +40°C
Odour	Low Odour

APPLICATIONS

Fire resistant installation of windows & door frames

Fire and smoke resistant sealing of connections between partition walls, ceilings & floors.

Applications where fire resistant characteristics are required. Cable & pipes, sound proof screen, sound deadening layers, thermal insulation.

Connecting of insulation materials

SUBSTRATES

Plasterboard

Particle Board

Wood

Aluminium

Galvanised Iron

Concrete

Fiberglass

Cement Sheet

Masonry

INSTRUCTIONS FOR USE

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. SDS CAN BE ACQUIRED BY VISITING **www.macsim.com.au.**

SCAN HERE >>

Surface Preparation

All surfaces must be clean, sound and free from dust, grease, oil and contamination. High humidity and dampness will aid the expansion of the foam. However, the surfaces should not be wet. Spraying a fine mist of water into the cavity will aid expansion of the foam.

Applications Instructions

1. Shake can at least 20 times before each use to ensure that contents are mixed. Screw trigger and nozzle onto the can. To inject the foam, turn the can upside down and direct nozzle into the cavity. Press trigger to release foam. When filling large cavities, do no empty the whole can at once.
2. Inject the foam for between 15 to 20 seconds. Depending on conditions, the foam should skin in 15-25 minutes.
3. After it has skinned, spray a fine mist of water onto the foam. Inject the next layer of foam.
4. Repeat until the cavity is 1/3 to ½ filled.
5. Trim cured foam using a saw, knife, or sandpaper
6. Finish with Gap Filler to produce a neat and tidy finish. Paint with an exterior grade acrylic.

Cleaning

Can be cleaned up with PU cleaner.
Cured adhesive can be removed mechanically.

Limitations

Not recommended for structural fittings and:

- To surfaces that are in direct contact with food.
- Areas of constant water immersion.
- Structural glazing.
- Joints where abrasion and physical abuse are encountered.
- Will not adhere to some plastics such as polyethylene, polypropylene and Teflon.
- Contact with solvent based contact glue.

Shelf Life

18 month shelf life in unopened, original container if stored under recommended conditions.
Store in a cool, dry, well ventilated area away from direct sunlight (between +5°C to +27°C).

HEALTH & SAFETY

Safety

Obtain special instructions before use. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/ face protection. Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace.

If poisoning occurs, contact Poisons Information Centre: **Australia: 13 11 26; New Zealand: 0800 764 766.**

For more information and advice on first aid, safe handling, storage and disposal of this product refer to the Safety Data Sheet. The can be acquired by visiting www.macsim.com.au

MASONRY																				
Concrete/ Brick	■	■	■	■	■		■	■	■	■		■	■	■	■	■		■		
Granite/ Marble/ Stone	■	■	■	■	■		■					■		■		■		■		
Plaster		■			■		■			■		■		■	■	■		■		
WOOD																				
Chipboard	■	■	■	■	■			■	■	■		■		■	■	■		■		
Untreated Wood	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■		■		
Painted Timber	■	■	■	■	■		■		■			■	■	■		■				
Timber	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■				
GLASS																				
General Glazing	■	■	■	■	■		■					■	■							
Float	■	■	■	■	■	■	■					■	■					■		
Curtain Wall Sealing																				
Laminated	■	■	■	■	■		■					■	■							
Mirror Tiles		■			■									■						
METALS																				
Metal Roofing/ Gutters	■	■	■	■	■		■					■	■					■	■	■
Zincalume	■	■	■	■	■		■					■	■	■	■			■	■	■
Anodised Aluminium	■	■	■	■	■		■				■	■	■	■	■	■		■	■	■
Powder Coated Aluminium	■	■	■	■	■		■					■	■	■		■		■	■	■
Galvanised	■	■	■	■	■		■						■		■	■		■	■	■
Stainless/ Lead														■	■	■	■	■	■	■
OTHER MATERIALS																				
Ceramic Tiles	■	■	■	■	■	■	■		■			■	■	■		■		■		
Natural Stone		■			■			■		■		■			■	■		■		
PVC								■		■		■		■	■			■	■	■
Acrylic												■				■		■	■	■
Polycarbonate		■			■								■	■				■		
Polystyrene								■		■	■			■	■			■	■	■
JOINT SPECIFICATIONS																				
Connection Joints												■	■		■	■		■	■	■
Expansion Joints																■		■	■	■
Perimeter Joints/ Windows & Doors	■	■	■	■	■							■	■		■	■		■	■	■
Indoor	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■
Outdoor	■	■	■	■	■	■	■	■		■		■	■	■		■	■	■	■	■
Sanitary							■						■							
Compatibility Water Based Paints								■	■			■	■		■			■		
Compatibility Solvent Based Paints									■			■			■					
Water Based								■	■						■		■			
Solvent Based	■	■	■	■	■	■	■		■	■	■							■	■	■
Neutral Cure	■	■	■	■	■		■	■	■	■		■	■	■	■		■	■		
Acetic Cure																				

MACSIM®

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