TREMCO
Construction Products Group

TREMglaze 50

One Part, Neutral Cure, High Movement, Silicone Sealant

PRODUCT DESCRIPTION

TREMglaze 50 is a one part, low modulus, moisture curing, high performance silicone sealant. It is designed to give superior adhesion & long term durability in a wide range of glazing & weather sealing applications.

USAGE/PURPOSE

TREMglaze 50 has excellent adhesion to glass, ceramics, aluminium, GRP, granite, concrete, galvanised steel & many plastics. It can be used for:

- ❑ Facade weatherproofing
- ❑ Curtain wall, mullion, window perimeter joint glazing
- ❑ Standard & butt glazing of frames, panels & shop fronts
- ❑ Sealing environmental & refrigerated rooms, sheet metal, skylights, ventilators & air conditioning units
- ❑ Assembly of metal & plastic signs
- ❑ Metal panel facades
- ❑ High movement applications

FEATURES & BENEFITS

- ❑ Neutral cure - low odour
- ❑ Green Star Compliant
- ❑ Non slumping
- ❑ Fast curing
- ❑ Outstanding weather ability & UV resistance
- ❑ Excellent adhesion
- ❑ Easy application

PACKAGING

300ml Cartridges - 25 cartridges per box
600ml Sausages - 20 sausages per box

COLOURS

Australian Standard AS 2700

- ❑ Matt Black - B64
- ❑ Matt White - N14 (Made To Order)
- ❑ Matt Grey - N43 (Made To Order)

SHELF LIFE/STORAGE

12 months when stored in undamaged packaging in a clean, dry, protected location. The temperature should not exceed 25°C as this will decrease shelf life.



LIMITATIONS

TREMglaze 50 is not recommended for:

- ❑ Continuous water immersion applications.
- ❑ In aquarium construction &/or structural glazing.
- ❑ For certain rubber products where bleeding of plasticiser may occur.
- ❑ In horizontal walkways where sealant will be subject to abrasion.
- ❑ Facades where the sealant would be painted over.

SUBSTRATE PREPARATION

- ❑ All surfaces must be clean, dry, sound & free from dust, oil, rust or any other contamination.
- ❑ Metal & glass should be cleaned with Tremco IPA Cleaner. Solvent should be wiped from the surface with a clean, dry cloth.
- ❑ For plastics contact the manufacturer for a recommended cleaning solvent.
- ❑ When used on remedial work all existing sealant must be removed.

PRIMING

TREMglaze 50 bonds tenaciously without the assistance of a primer, consult your local Tremco office for advice.

JOINT DESIGN CONSIDERATIONS

Joint width should be 4 times anticipated movement, but not less than 6mm wide.

TYPICAL PHYSICAL PROPERTIES		
PROPERTY	**STANDARD**	**RESULT**
Cure Method	N/A	Oxime
Sag/Slump	N/A	None
% Solids	N/A	95%
Hardness (Shore A)	ASTM D2240	21
Tensile Strength	ASTM D412	1.0 - 1.5 MPa
Elongation at Break	ASTM D412	733%
Joint Movement	ASTM C920	+/-50%
Tack Free Time	N/A	10 Minutes
Cure Time	25°C 50% R.H.	2mm Per Day
Application Temperature	N/A	0 to 50°C

SEALANT BACKING

Polyethylene backing rod is recommended to provide correct joint depth to width ratio, as well we prevent 3 sided adhesion. Open cell backing rod is recommended to allow for faster curing, however closed cell may also be used.

METHOD OF APPLICATION

- ❑ Surface must be clean, dry & free from loose material.
- ❑ Cut nozzle at a sharp angle slightly wider than the desired bead. Extrude sealant with a gun & tool with a round spatula within 5 minutes to spread the sealant against the joint surfaces.
- ❑ When necessary to produce a neat appearance masking tape is recommended. This should be removed immediately after tooling before a skin forms.

COVERAGE RATE

(Approximate Linear Metres per 300ml Cartridge)

DEPTH	WIDTH			
	6mm	10mm	20mm	25mm
6mm	8M	5M	-	-
10mm	-	-	1.5M	-
12mm	-	-	-	1M

- ❑ FILLET JOINTS TRIANGULAR CROSS SECTION

6mm x 6mm = 33.33M

10mm x 10mm = 12M

CLEAN UP

Tooling is recommended immediately after application to ensure firm, intimate contact with the joint interface. Dry tooling is preferred. Cleaning can be accomplished with solvents such as Tremco IPA Cleaner or Tremco Xylene while sealant is in an uncured state.

HEALTH & SAFETY PRECAUTIONS

The Safety Data Sheet (SDS) must be read and understood prior to use.

TECHNICAL SERVICE

Tremco CPG Australia Pty Ltd has a team of Representatives who provide assistance in the selection and specification of products. For more detailed information or service and advice, call Customer Service on (02) 9638 2755 or fax (02) 9638 2955.

GUARANTEE/WARRANTY

Tremco CPG Australia Pty Ltd products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG Australia written instructions and (b) in any application recommended by Tremco CPG Australia, but which is proved to be defective, will be replaced free of charge.

Any information provided by Tremco CPG Australia in this document in relation to Tremco CPG Australia's goods or their use is given in good faith and is believed by Tremco CPG Australia to be appropriate and reliable. However, the information is provided as a guide only, as the actual use and application will vary with application conditions which are beyond our control. Tremco CPG Australia makes no representation, guarantee or warranty relating to the accuracy or reliability of the information and assumes no obligation or liability in connection with the information. To the extent permitted by law, all warranties, expressed or implied are excluded.

CONTACT OUR TEAM

Tremco CPG Australia Pty Ltd
ABN: 25 000 024 064
Unit 12, 4 Southridge Street
Eastern Creek, NSW 2766

P: (02) 9638 2755
F: (02) 9638 2955
E: tremco@tremco.com.au