



07/10
 2 Pages

PRODUCT
 DATA
 SHEET

TREMSil 870 SOLAR

SILICONE ADHESIVE/SEALANT

KEY BENEFITS SUMMARY

- 2 – 5 minute skin time
- No slump
- Movement capability \pm 25%
- Superior adhesion
- Will not corrode metals
- Complies with AS4020 Potable water approval
- Complies with 5 Star VOC rating <50mg/litre

PRODUCT INFORMATION

DESCRIPTION

TREMSil 870 Solar is a premium 100% neutral oxime curing silicone adhesive/sealant. TREMSil 870 Solar is ideal where excellent adhesion, quick skin time and long term reliability is required. It reacts with atmospheric moisture to produce a form in place silicone rubber seal. Weathering and UV resistance is excellent.

USAGE/PURPOSE

Ideal in applications where fast set up, and no slump are critical such as:

- Glazing of colonial bars, and structural butt joints
- Installation of solar panels on steep sloping roofs
- Fixing pool solar heating banks to roofs
- Industrial applications where the product needs to be moved quickly

PACK SIZE

300g Cartridge

COLOUR

Solar Black

Solar Translucent

PRODUCT CODE

315135

315136

TECHNICAL INFORMATION

PROPERTY	VALUE
SAG/SLUMP	NIL
HARDNESS (ASTM D22240)	28 SHORE A
TENSILE STRENGTH	2 MPa
JOINT MOVEMENT	\pm 25%
ELONGATION	560%
SKIN TIME @ 20°C & 50% RH	2 – 5 minutes
CURE TIME 10MM @ 25°C & 50 RH	3 – 5 days
OPERATING TEMPERATURE RANGE	- 60 to 170°C
SPECIFIC GRAVITY	1.04

Values given in this list should not be used as specifications. Cured 21 days @ 23°C and 50% R.H

USAGE GUIDELINES

SURFACE PREPARATION

- All surface must be clean, dry, sound and free from dust, oil, rust, or any other contamination
- Wire brush existing roof tiles to expose clean sound substrate
- Metals should be cleaned with a non-oily solvent soaked clean cloth
- Solvent should be wiped from the surface with a clean dry cloth
- Use an alcohol such as methylated spirits on glass
- When used on remedial work all existing sealant must be removed

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METHOD OF APPLICATION

- Cut nozzle at a sharp angle slightly wider than the desired bead
- For roof solar panels place 20mm diameter blobs on every second tile and press panel down
- For joint extrude sealant with a gun and tool with a round spatula within 10 minutes to spread the sealant against the joint surfaces

LIMITATION

TREMSil 870 Solar is not recommended for use:

- On submerged joints where porous substrates permit water to the bond interface
- In aquarium construction and structural glazing
- For certain rubber products where bleeding of plasticiser may occur, test if unsure.

CLEAN UP

Clean all equipment before curing

STORAGE

Store in cool, dark and dry place

SHELF LIFE

Maximum life in original packaging 1.5 years

HEALTH & SAFETY PRECAUTIONS

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

TECHNICAL SERVICE

TREMCO has a team of qualified Technical Sales 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 products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with TREMCO written instructions and (b) in any application recommended by TREMCO, but which is proved to be defective, will be replaced free of charge.

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