ADMIL SEALANTS & ADHESIVES

Technical Data Sheet

Dated: 12/09/2019

PROFESSIONAL PROSIL 41LM

100% Neutral Cure Matt Silicone Sealant

PRODUCT DESCRIPTION

Admil's **Prosil 41LM** is a premium low 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, cladding and trade applications. It will bond to form a strong weatherproof seal on most common building materials such as: glass, ceramic, steel, aluminium, brick, concrete, most plastics etc.
Weathering and UV resistance is excellent and its superior physical properties are retained over many years exposure.

ADVANTAGES

Prosil 41LM has excellent adhesion properties superior to most other silicones and will adhere to most common building materials including :
Glass, aluminium, concrete and plastics, wood, masonry and most powder coated surfaces.5-8 minute skin time

- **10 minute skin time**
- **Matt Colours**
- **Movement capability > + 50%**
- **Superior Adhesion**
- **Low Modulus for high movement applications**

APPLICATIONS

Prosil 41LM is ideal in glazing, and cladding applications where a matt finish is required:
General purpose glazing, colonial bars, and structural butt joints. Weather-sealing of high rise buildings, Installation of solar panels. It is also often used in truck and caravan assembly due to its excellent adhesion and high flexibility.

LIMITATIONS

Prosil 41LM is not recommended for use:

- On submerged joints where porous substrates permit water to the bond interface.
- For certain rubber products where bleeding of plasticiser may occur, check with us if unsure.
- In aquarium construction and structural glazing. (Admil recommends Prosil 20 acetic for aquarium applications).

TYPICAL PROPERTIES

PROPERTY	VALUE
Method	Neutral (Oxime) 100%
Sag/Slump	No Slump
Hardness (ASTM D2240)	18 Shore A
Dynamic Joint Movement ASTM C719	+/- 50%
Tensile Strength (MPA) ASTM D412	2.5 MPa
Elongation @ Break ASTM D412	>750%
Skin Time @ 20°C & 50% RH	10-15 Minutes
Cure Time 10mm @ 25°C & 50% RH	5-7 Days
Operating Temperature Range	-40 to 140°C
Specific Gravity	1.35

Values given in this list should not be used as specifications. All Data based on samples cured for 21 days @23oC and 50% R.H.

SURFACE PREPARATION

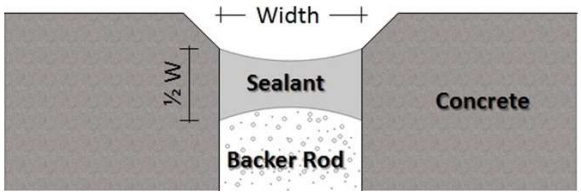
All surfaces must be clean, dry, sound, and free from dust, oil, rust, or any other contamination. Metals should be cleaned with a non-oily solvent soaked clean cloth. Solvent should be wiped from the surface with a clean dry cloth. Use an alcohol such as methylated spirits on glass. When used on remedial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

APPLICATION INSTRUCTIONS

Cut nozzle at a sharp angle slightly wider than the desired bead. Extrude sealant with a gun and tool with a round spatula within 10 minutes to spread the sealant against the joint surfaces.

JOINT DESIGN

- 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.



PACKAGING

Admil's **Prosil 41LM** is available in 300ml Cartridges & 600ml Sausages

COLOURS

Prosil 41LM is a calcium carbonate filled material and is available in White, Grey & Black

STORAGE

12 months from date of manufacture if stored below 28^{o}C

HEALTH AND SAFETY

This product emits Methyl Ethyl Ketoxime whilst curing, which is hazardous. Use in well-ventilated areas, and avoid breathing vapours.

Contact with uncured product will irritate eyes. In case of eye contact immediately flush with Water for 15 minutes and seek medical advice.

Avoid contact with skin or clothing.

Keep our of reach of children

Admil Prosil 41LM MSDS available upon request

Notice

The information given and the recommendations made herein apply to our product(s) alone and not combined with any other product (s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchasers' responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.