

TECHNICAL DATA SHEET

DESCRIPTION

SIL-140 is a single component, 100% silicone based, highly adhesive, UV-resistant, exible waterproong membrane curing with the humidity in the air.

TYPICAL APPLICATIONS

- Metal roofs,
- Metal coating areas,
- In wooden coatings,
- On the bituminous membrane,
- Concrete roofs,
- Mineral coated roofs,
- Renewal of old polyurethane foam roofs.

FEATURES AND ADVANTAGES

- Easy to use.
- Excellent adhesion to many surfaces without primer.
- Easy cleaning.
- Ease of use in closed areas.
- Excellent UV and alkali resistance.
- Easy to apply by brush, roller or airless spray.

APPLICATION PROCEDURE

• SURFACE PREPERATION

Before the application, the adhesion and adhesion factors such as oil, grease, paran waste, cement grout, loose particles, mold release agents, cured old membranes should be removed from the surface. After cleaning the surface with high pressure water, it should be thoroughly dried. Surface defects should be repaired with suitable products.

• APPLICATION

Before usage, the package should be opened and mixed with a low-speed mixer for 2-3 minutes. It should be applied as one layer with the help of a roller, brush or spray until the entire surface is covered. It is recommended to use PU Universal (Bitumen Surfaces), PRIMER P-70 & PRIME EP-60 on metal galvanized rusty surfaces and critical surfaces by contacting our technical service. Thinning is not recommended.

APPLICATION REMARKS

- Not recommended for unstable surfaces.
- Do not use special colored SIL-140 on asphalt surfaces.
- Asphalt surfaces may change color.

CONSUMPTION

- Metal surfaces: 1.0 - 1.2 kg/m²
- Flat surfaces: 1.2 - 1.5 kg/m²
- Rough surfaces: 1.5 - 1.8 kg/m²

CLEANING

After application, all tools used should be cleaned with silicone solvent.

PACKAGING AND COLOR

It is white and in 5 kg and 22 kg metal buckets.

STORAGE AND SHELF LIFE

The product can be stored for a maximum of 12 months in its unopened original packaging at temperatures between +5°C and +25°C. Opened product should be used as soon as possible.

PRECAUTIONS

The product should be used in well ventilated environments. The product should not be in contact with open re. Smoking should not be allowed during application. Protective gloves and masks should be used for hands and eyes during application. If the material comes into contact with eyes, it should be washed immediately with sucient water. For more detailed information, ask for Safety Data Sheet (MSDS) from PRIME technical department.

TECHNICAL DATA SHEET

TECHNICAL DATA		
QUALIFICATION	METHOD	FEATURE
Coating Type	Manuf Lab.	Silicon
Solid Content	ASTM D 1644	80-85 %
Flash Point	ASTM D3278	TOK ≥ 81°C
Tensile strenght at 23 °C	ASTM D2370	1,50 - 2,50 N/mm
Tensile strenght at -18 °C	ASTM D2370	1,70 - 2,50 N/mm
Application Temperature	Manuf Lab.	Between +10°C - +40°C
Elongation at break at 23 °C	ASTM D2370	150-300%
Elongation at break at -18 °C	ASTM D2370	130-250%
VOC	EPA 24	≤ 200 gr/lt
Wet Adhesion Spray Polyurethane Foam	ASTM D903	Passed
Wet Adhesion Acrylic Coating	ASTM D903	Passed
Wet Adhesion Primer Slc Galvanized Metal	ASTM D903	Passed
Wet Adhesion Primer Slc EPDM	ASTM D903	Passed
Wet Adhesion Primer Slc PVC	ASTM D903	Passed
Water Vapor Permeability	ASTM E96	Passed
Uv Reection	ASTM C1549	Passed
Thermal Emission	ASTM C1371	Passed
Tack Free Time	25°C / 55% RH	8-12 hours
Recoat Time	Manuf Lab.	Between 24-48 hours
Viscosity	Manuf Lab.	3000 - 6000 cp
Density	Manuf Lab.	1,36
Hardness	Manuf Lab.	40-50
Minumum Expected Working Life	Manuf Lab.	25 yrs.

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in maccordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.