



SEMPU SEAL 35

SINGLE COMPONENT POLYURETHANE BASED SEALANT

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1 DESCRIPTION

SEMPU SEAL 35 single component polyurethane sealant which cures with moisture on the air.

2 ADVANTAGES

- The application will be easier if the mixture is by 1:1.
- Fast curing,
- Never gives bubbles even it is applied thick layer.
- Excellent mechanical properties; high elongation ability, tensile, tear and abrasion resistance.
- Preserves its mechanical properties between -40°C and +90°C.
- It is permeable to water vapor. Having a breathable structure is does not cause accumulation in the substrate.
- When the material is damaged, it can be repaired easily and quickly with SEMSOL TN 100

4 CONSUMPTION

WIDTH \ DEPTH (mm)	3mm	6mm	8 mm	10mm
3	66.6	33.3	25	20
6	33.6	16.6	12.5	10
8	25	12.5	9.3	7.5
10	20	10	7.5	6

5 PACKAGING

600 ml sausage, grey, white and black color.

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REV:02

6 TECHNICAL SPECIFICATIONS

QUALIFICATIONS	FEATURES	METHODS
Color	Grey	-
Density	1,20 g/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 20°C
Hardness (Shore A)	35-40	ASTM C 661
Tack Free Time (min.)	30-70	ASTM D 2196-86 / EN ISO 3219 (+25°C)
Curing Speed (mm/day)	> 2,5	-
Recoating	Yes	-
Elastic Recovery	%70	ISO 7389
Hardness Shore A	30-35 min.	ASTM C661
Tensile Strenght	1,5-2,0 (N/mm ²)	ASTM D412
Elongation At Break	>600 % (Dumble Test) >100 % (Glass)	EN-ISO-8339
Curing Rate(23°C and 50% R.H)	Min 2.5 mm /day	-
Sagging	0 mm	EN-ISO 7390
Application temperature	+5°C to +40°C	-

* Viscosity measured at + 25°C according to EN ISO 3219 standards. Viscosity increases inversely with temperature.

7 APPLICATION PROCEDURE

- The substrate must be clean, dry and free of all contamination such as dirt, oil, grease, and coatings etc All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum
- Until full curing of the sealant, it should be protected against water, rain, external factors and mechanical stresses until it sets.
- Recommended application temperature range varies between +5 oC to +35 oC. At higher temperatures, there is a decrease in the pot life of the material.
- Joint width/depth ratio should be 2:1 (Table 1) • If necessary, use back up material to adjust joint depth.

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8 STORAGE AND SHELF LIFE

Can be kept for minimum 9 months in the original unopened pails in dry places and at temperatures of 5-25 oC. Once a pail has been opened, use as soon as possible.

8 PRECUATIONS

Flammable and explosion products should be kept away during the application. Protective gloves and masks should be used for hands and eyes during application. The product should be used in well ventilated environments.If the material comes into contact with eyes, it should be washed immediately with sicient water. Children should kept away from the product. For more detailed information, ask for the Safety Data Sheet (MSDS).

The technical data and application methods given above are presented as a result of tests and applications carried out within the company. Considering that the conditions depending on the ground, weather conditions and humidity may vary during the application of the products, detailed examination and purposeful applications should be decided after examination by authorized persons in order to understand whether they will meet the special requirements and purposes before each application. The correct application of our products is your sole responsibility and liability. We will provide products with continuity and consistent quality under our general terms of sale and delivery. Users are responsible for compliance with local laws, the environment and obtaining permits from the necessary authorities. The new edition of the technical data sheet supersedes the previous edition. Ask your authorized sales representative for the current edition.

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