

ENESEAL SIL

Single component silicone-based sealant

DESCRIPTION

ENESEAL SIL is a single component silicone-based sealant cures when exposed to moisture vapor to form an elastic silicone rubber. **ENESEAL SIL** is used as a general-purpose sealant for most construction finishes works including Aluminum frames perimeter sealing, sanitary fittings sealant.

USAGES

- PVC frames & Joints sealing in brickwork
- Joint sealing in translucent roofing sheets
- MVP, Heel & Bread methods for glazing

ADVANTAGES

- Color fast
- Excellent adhesion on most building materials
- Easy application
- No crack or craze under UV exposure
- Non-sag and no staining
- Primerless adhesion on most substrates
- Wide range of colors
- For internal and external use

TECHNICAL DATA

ENESEAL SIL

Typical values

*Skin time @25°C
(Colored grades)*

10 min

*Skin time @25°C
(Translucent grades)*

20 min

Cure Time @25°C

2mm/24hr

Application Temperature

+5°C – 40°C

Service Temperature

-40°C – 120°C

*Shore A Hardness
(DIN 53305)*

30

UV resistance movement

Very good

Chemical resistance

Alkalis & dilute acids

Fair

Organic solvents

Swells & loses adhesion

Width-depth ration

Butt joints

2:1

Lap joints

1:1

USAGE INSTRUCTIONS

1. Surface preparation

Clean all joint surfaces and remove any dust, unsound material, plaster, oil, paint, grease, corrosion deposits or algae. Roughen the surfaces, remove any laitance and expose aggregate by light scabbling or grit-blasting.

Oil and grease deposits should be removed by steam cleaning, detergent scrubbing or the use of the proprietary degreaser.

appropriate joint filler (**ENESEAL PBR**) must be checked to ensure it is tightly packed and no gaps or voids exist at the base of the sealing slot. All joints preparation, priming and sealant application should be carried out in accordance with BS 8000 part 16, the British standard for sealing of joints in buildings using sealant.

2. Application

Cut and remove the end of the sachet and place sachet in the gun. Fit the nozzle and cut at 45 degrees to a suitable size for sealing the joint, extrude the sealant firmly into the joint. Tool flush within 5 minutes of application to ensure good contact between the sealant and the substrate, masking tape may be placed on the side of joint to prevent smearing of excess sealant and can be removed before sealant cures.

Maintenance: Damaged sealant can be repaired by cutting out the part and resealing it with **ENESEAL SIL**.

ENESEAL SIL Coverage

Joint Size (mm)	Meters/Liters
6 x 6	27.8
9 x 6	18.5
12 x 9	9.3
18 x 10	5.6
25 x 10	4.0

STORAGE & SHELF LIFE

Original sealed container of **ENESEAL SIL** has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 25°C.

3. Cleaning

ENESEAL SIL should be removed from tools, equipment and mixers using a solvent immediately after use. Hardened material can only be removed mechanically.

4. Limitations

- Not recommended for below grade application or areas submerged in water
- Not recommended for heavy traffic areas

PACKAGING

ENESEAL SIL is supplied in 300 ml cartridge.

HEALTH & SAFETY

ENESEAL SIL is not classified hazardous. Contains isocyanate.

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent material safety data sheet containing physical, ecological, toxicological and other safety-related data.

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:
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