Feviseal HY 100

LOW MODULUS HYBRID SEALANT

Description

Feviseal HY 100 is one component moisture curing, low modulus silyl modified polymer sealant.

Feviseal HY 100 is a new generation isocyanate-solvent free sealant that brings together all the mechanical properties of polyurethane and silicone sealant.

Specification / standard compliance

ISO 11600 Type F25LM

ASTM C920 Type S,Grade NS, Class 25 NT

Typical Applications

- Sealing of expansion and construction joints as well as joints between different construction materials in high rise buildings, basements, floorings etc.
- Sealing joints in between precast concrete panels.
- Sealing Joints in between tiles, bricks, and marble etc.
- Sealing joints of metal container finishing.
- Repairing of non-moving concrete cracks and control widths.

Features

- Non-Staining including Hydrophobic staining
- Good primer less adhesion on many common construction substrates
- Damp surface tolerant
- Low dirt pick up
- Excellent adhesion to a wide variety of substrates
- High movement accommodation
- High UV & aggressive atmosphere resistance
- Environmentally friendly
- Excellent low temperature gun ability
- No bubble formation
- Resistant to chemicals

Joint Design For various reasons, different types of joints are provided with width depth ratios in different proportions. Depending on the horizontal or vertical movements, the cured sealant should retain its original shape after the deformation of expansion/contraction. So width depth ratio is very important.

WIDTH: DEPTH RATIO

JOINT WIDTH (MM)	WIDTH /DEPTH RATIO
For 6 to 12 mm joint width	Depth shall be 1:1 (equal)
For 12 to 25 mm joint width	Depth shall be 2:1 (half)

Method of Application

1 JOINT PREPARATION

- All joints to be sealed must be clean, sound, dry and free of all contaminations such as release agents, curing compound, laitance, dust, dirt, cavities, etc.
- Xylene can be used to clean and degrease the substrate.
- Appropriate joint backing to be used to provide the correct joint depth and support the applied sealant.

- Use masking tape on each side of the joint to maintain a clean finish.
- Make sure substrate is dry before application.

2 PRIMING

- Generally, no primer is required for most building substrate.
- Contact Dr. Fixit Technical Department for more information about the application on specific substrate.To achieve optimum adhesion, Dr. Fixit Pidiprime A, primer can be used.
- For joints continuously in contact with water it is recommended to use primer.

3 APPLICATION

- The recommended application temperature range is between 5-40º C.
- For cold weather, store sealant material in a heated area at 20º C for 24 hours.
- Cut the top part of aluminium foil exposing the sealant.
- Place the same in sealant barrel gun and extrude firmly into the joint while ensuring complete contact between the applied sealant and joint walls.
- Tool the sealant surface to ensure complete contact and good surface finish.
- Remove the masking tape directly after tooling the sealant.

4 REMARKS

- For optimum performance the ratio of width to depth of the sealant should be 2:1.
- Not recommended for unsound substrates.
- It is recommended to test the specific paint compatibility.
- Dr. Fixit will not accept responsibility or liability for variations to the above method statement under any other specific condition.

5 CLEANING

- After sealing the joint the tools and equipment should be cleaned immediately with kerosene or any other cleaning solvents.

Precaution & Limitation

- Keep out of reach of children.
- Avoid contact with skin.
- Don't use in joints of natural stones.

Should not be used for:

- Areas subject to continuous chlorinated water immersion, such as swimming pools, spa etc.
- Constant immersed in salt water.
- PE, PP, Teflon, Neoprene & bituminous surfaces.
- Glazing applications
- The cured sealant can be painted over with water based paint, however owing different nature of these coatings, the compatibility should be tested before application. For alkyd paints a suitable water-based undercoat must be used.

Technical Information

Test Parameters	Results
Color	Grey, White, Other colour on request
Appearance	Non-Sag Smooth Thixotropic Liquid
Cure System	Moisture Curing
Tack Free Time	> 30 Minutes
Density (gm/cc)	1.4 ± 0.1
Cure Rate in mm/24hr	2.0 mm/ 24 hr
Shore A Hardness	22 ± 6
Tensile Strength	Approx 0.6 MPA
Service Temperature	-40° C to + 100° C
Application temperature	5°C to 40°C
Movement Accommodation Factor (MAF)	± 25%

Theoretical Coverage

One 600 ml; sausage
Will cover 5 mm width x 5 mm depth joint = 24 linear metre
10 mm width x 10 mm depth joint = 6 linear metre.

Packaging

Available in 600 ml Sausage

Shelf Life

Shelf life is 12 months from the date of manufacturing. The material should be stored in cool and dry place.

Health and Safety

Some people are sensitive to solvents, resins and hardeners so it is advisable to use hand gloves and goggles.

Other Products Categories available

Feviseal brings you the widest range of Sealants.

Pidilite Industries Limited
Construction Chemicals Division
Ramkrishna Mandir Road, Post Box No. 17411
Andheri (E) Mumbai 400059 INDIA
Tel +91-22-2835 7000 • Fax +91-22-2835 7008
Feviseal Advice Centre (Toll Free No.) 1800 209 5504