



Feviseal HY 300

HIGH MODULUS HYBRID SEALANT & ADHESIVE

Description

Feviseal HY 300 gun grade is a one part moisture curing high modulus hybrid sealant.

It has an excellent adhesion over a wide variety of substrates & is Paint-able with most common industrial paints. This sealant has been specifically formulated as a non staining sealant.

Specification / standard compliance

ISO 11600 Type F25HM

ASTM C920 Type S, Grade NS, Class 25 T

Type FB, BS 5212-1:1990

Typical Applications

It is specially formulated for making permanent high strength elastic bonding between construction materials like, Bonding of metal (stainless steel, Aluminum, Steel, etc.), Rubber (Natural Rubber, Synthetic Rubber, Silicone Rubber, EPDM etc.), Natural Materials (Wood, Plywood, Leather, Paperboard etc.), Inorganic (Concrete, Mortar, Natural Stone, Tile, Glass, Porcelain etc.) & Plastic (Nylon, PVC, ABS, Polycarbonate etc.)

As an elastic adhesive for:

- Cover plates, gaskets and coverings.
- Acoustic ceiling tiles.
- Floor mouldings and door sills.
- Light weight construction materials.
- Wood or metal and door frames.
- Roof tiles.

As an elastic joint sealer for:

- Air ducts and high vacuum systems.
- Containers, tanks, and silos.
- Gaskets in openings in walls or floors for ducts, piling, etc.
- Aluminium fabrication.
- Bolted lap joints.
- Control Joints.

Features

- Abrasion resistant including foot traffic
- Excellent application characteristics
- High Strength adhesive bond
- Excellent adhesion to a wide variety of substrates
- Permanently Flexible
- Non staining including Hydrophobic staining
- Damp surface tolerant
- Low dirt pick up
- High movement accommodation
- Excellent low temperature gun ability

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)**

For 6 to 12 mm joint width

For 12 to 30 mm joint width

WIDTH /DEPTH RATIO

Depth shall be 1:1 (equal)

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.
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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.
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3 APPLICATION

- The recommended application temperature range is between 5-40° C.
 - For cold weather, store sealant material in a heated area at 20° 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.
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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.
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5 CLEANING

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

Precautions & Limitations

- Maximum width for application in a joint is 30 mm.
- Sealant will not adhere to substrates with contamination and traces of bitumen.
- Adhesion of the sealant must only be on two opposite faces.
- Do not carry out sealing operations during hot weather conditions.
- Product should be used within 24 hours of opening the sausage and should be closed properly after use.
- Do not apply at a temperature below 5°C.



- 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
Chemical base	Silyl Modified Polyurethane Technology
Appearance	Non-Sag Smooth Thixotropic paste
Cure System	Moisture Curing
Tack Free Time	> 30 minutes
Density (gm/cc)	1.35 ± 0.15
Cure Rate in mm/24hr	3.5mm / 24 hr
Shore A Hardness	40 ± 5
Tensile Strength	Approx.1.8 MPA
Service Temperature	-40° C to +100° C
Application temperature	5° C to 40° C
Elongation at Break	Minimum 400 %
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

Feviseal HY 300 is 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 & Safety

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

Avoid application on damp and moist substrates and at Temperature below 5°C.



Other Products Categories available

Feviseal brings you the widest range of sealants



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