

Dr. Fixit MS 25 Sealant

High Performance Construction MS Polymer Sealant

Description

Dr. Fixit MS 25 Sealant is used to fill and seal construction gaps. Sealing keeps home safe from water, dirt, dust, insects, vermin, pathogen vectors, and energy leaks.

Dr. Fixit MS 25 Sealant strongly adheres to wide variety of surfaces. And it can be paint over. It is excellent for use on adjoining of different construction materials, construction gaps, or cracks repair, both exterior and interior.

Dr. Fixit MS 25 Sealant is based on new technology and is free from cancer causing isocyanate.

Reference Standard: ISO 37 Type F – Classification 25 LM

Areas of Application

Sealing of expansion and construction joints as well as joints between different construction materials in high-rise buildings, basements and floorings etc.

- Sealing joints in between precast concrete panels.

Sealing Joints in between bricks, tiles, fiber board, wood, aluminum, steel, glass, natural stone, and marble etc.

- Sealing joints of metal container finishing.

Method of Application

1. Joint Preparation:

- Joint and edges should be clean and free from grease, oil contaminations, loose particles, and dust.
- For deep joint, backing rod is commonly used to save cost and sealant materials.
- For sealing of floor, use bond breaker tape over the backup material to prevent third surface adhesion.
- Fix a masking tape on both sides of joint surface to get neat & clean appearance of joints after application of sealant.

2. Application

- **Dr. Fixit MS 25 Sealant** is available in 300 ml. Insert the sausage in hand operated application gun. Apply nominal pressure over the trigger of the gun so that sealant starts extruding out of the nozzle & fill the sealant in joints. Apply slightly in excess for tooling & finishing purpose.
- To prevent sealant sticking to hands, a common practice is to coat the hands with dish washing detergent before work.

3. Finishing

- Tool the sealant immediately with tooling knife by pressing against the joint to remove air pockets & to ensure 100% contact and adhesion with the surface.

4. Cleaning

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

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Precautions & Limitations

- **Dr. Fixit MS 25 Sealant** is not always compatible with plasticized sealant, bitumen and some backing rods. For the first time with new materials, it is best to test a small quantity before commencing main work.
- Do not expose the sealant to high temperatures above 45°C during storage.
- Avoid application on very damp or wet substrates.
- Do not apply when the surface temperature is colder than 5°C or hotter than 40°C.
- Maximum width for application in a joint is 50 mm and minimum depth of seal is 6 mm.
- White grade, May slightly yellow on exposure to UV light.
- Complete details on each of the products mentioned are available on the product Data Sheet.
- To ensure no harm is caused to personal using the products, it is recommended that all concerned read the appropriate safety Data Sheet. Visit

Physical Properties

Properties	Specification / Standard	Results
1.Appearance	-	Paste
2.Color	-	White/Grey
3.Density at 20 °C	-	1.4 ± 0.05
4.Sagging	(ISO 7390)	None
5.Application temperature	-	5 to 40 °C
6.Skin formation time at 23 °C and 50 %HR	-	15 to 40 min
7.Cure time at 23 °C and 50 % HR	-	3 mm/24 h
8.Final Shore A hardness (ISO 868 – 3 seconds)	ISO 868	30-40
9.Modulus at 100 %	ASTM D412	0.3 Mpa
10.Elongation at break	ISO 37	600 - 800 %
11.Tensile Strength	ISO 37	>2.0 Mpa
12.Service temperature	-	-40 °C to +70 °C
13.Resistance to dilute acids and bases	-	Average
14.UV resistance	-	Good
15.Water and salt spray resistance	-	Excellent
16.Compatibility with paints	-	Water based : yes Solvent based : carry out tests beforehand

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Packing

Dr. Fixit MS 25 Sealant
300 ml
Color : White / Grey

Shelf Life & Storage

- Shelf life is 12 months from the date of manufacturing.
- Stored in cool and dry place at temperature 8 to 30 °C

Health & Safety Precaution

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

Disclaimer

The product information and the recommendations relating to the application and end-use of Dr.Fixit products, are based on Dr.Fixit's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Dr.Fixit's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Dr.Fixit reserves the right to change the properties of its products without notice, so the company does not assume liability of any legal from this product information.



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