

Method of Application

1 SURFACE PREPARATION

- Joint edges should be sound and free from grease or oil contaminations.
- If spalled, it should be rectified properly by using polymer mortar or epoxy mortar.
- Use a closed cell polyethylene foam sheet or rod as a back up material.
- Back up material is used to adjust width to depth ratio and falling of sealant while application. Ex: Thermocol sheet can be used as a back up material.
- Fix a 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 PRIMING

- Prime only on two sides of the properly prepared joint surface with Dr. Fixit Pidiprime A by brush and allow it cure for minimum 20 minutes. Apply two coats of primer at an interval of 30 minutes. After priming is over, sealants should filled after minimum 30 minutes and before 90 minutes. If 90 minutes is exceeded a fresh coat of primer should be applied.

3 MIXING

- The curing agent is to be poured in the tin with the base and mixed thoroughly with a slow speed electric mixer (300 to 450 rpm.) for approx. 5-6 minutes until a homogeneous, uniformly grey coloured material is obtained.

4 APPLICATION

- PS 43 G being a pourable sealant, it is directly poured through the container after mixing into joint which self levels itself.

5 CLEANING

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

5 CURING

- Allow sealant to cure for minimum 7 days before carrying out any testing.
- Prevent the joints from water after application at least for 24 hrs (best for 7 days).

Precautions & Limitations

- Maximum width for application in a joint is 50 mm.
- Do not expose the sealant to high temperatures.
- Sealant will not adhere to substrates with contamination and traces of bitumen.
- Adhesion of the sealant must only be on two opposite joint faces.
- Do not carry out sealing operations during hot temperature conditions.
- Use of shalitex board as a back up material should be avoided.
- Pouring Grade version must only be applied in horizontal joints.
- Application to be started only after 30 minutes of priming the substrate.

Dr. Fixit Pidiseal PS43



FUEL RESISTANT, TWO PART POLYSULPHIDE SEALANT

Technical Information

PHYSICAL CHARACTERISTICS

PROPERTIES	SPECIFICATION	RESULTS
Appearance		
Base	Visual	Homogeneous, highly viscous paste
Accelerator		Homogeneous, thin paste
Colour		
Base	Visual	Off White
Accelerator		Dark brown to black
Mixed (92:8 pbwt)		Grey
Density (Mix)		
PS 43 Grey (kg/ ltr)		1.59 ± 0.04
PS 42P (kg/ ltr)		1.53 ± 0.03
Pot life		
at 5°C	BS 5212	24 Hrs
at 30°C		2 Hrs
Setting time		
at 5°C	BS 5212	120 Hrs
at 30°C		8 Hrs
Curing Time		
at 5°C		Approx. 8 weeks
at 30°C		Approx. 10 days

CURED CHARACTERISTICS

Hardness, Shore A	ASTM D 2240	16 - 22
Tack Free Condition, RT/16 Hrs	BS 5212	No adherence of the sealant on the film
Resistant to plastic flow, 60°C/5hrs/75° angle (mm)	BS 5212	0.6
Adhesion / Bond Strength, Kg/2.5cm	BS 5212	3 - 4
Flame resistance	BS 5212	Passes the test
Movement Accommodation Factor		25% for butt joints and 50 % for lap joints
Service Temperature Range		- 15°C to + 80°C

PACKING

Dr. Fixit Pidiseal PS 43 Grey - 6.5 kg. (approximately 4060ml),
Dr. Fixit Pidiprime A 500 ml

Coverage

$$[\text{SEALANT}] \quad L = \frac{\text{Vol of sealant in ml}}{W \text{ in mm} \times D \text{ in mm}}$$

Where, L = Length of the joint in linear meter,
W = width of the joint in mm
D = depth of the joint in mm

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Shelf Life & Storage

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

Health & Safety Precautions

- Some people are sensitive to solvents, resins and hardeners so it is advisable to use hand gloves and goggles.
- Avoid application on damp and moist substrates and at temperature below 5°C.
- Prescribed priming is very important.
- Should be stored at cool and dry place.

Note

Field services where provided does not constitute supervisory responsibility. Suggestions made by company either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not company are responsible for carrying out procedures appropriate to a specification.

Other Product Categories Available

DR. FIXIT has wide range of Waterproofing & Construction chemicals which includes,

- Waterproofing Products
- Repair Products
- Sealants
- Flooring Products
- Exterior Coating Products
- Tile Fixing Range
- Concrete Admixtures
- Grouts



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