Dr. Fixit Permaseal 1190

A HOT-APPLIED ELASTOMERIC CONCRETE JOINT SEALANT

Description:

Dr. Fixit Permaseal 1190 is a hot poured joint sealant. It is composed of special types of synthetic rubber, asphalt, resin, chemical additive and filler, it has excellent properties to prevent the passage of moisture down to the joint, high elasticity, adheres firmly and will not lose bond even if it is immersed in water for long time.

Dr. Fixit Permaseal 1190 is for horizontal joints using heat to melt into liquid to pour temperature which will effectively bond to the concrete. **Dr. Fixit Permaseal 1190** has low pour temperature containing no solvent making it highly save and saves melting time.

Specification

- Thai Industrial Standards Institute (TISI) 479 – 2541
- Highway Department (HWD)

Area of Application

Seal horizontal joint of

- Concrete road
- Bridge
- Dam
- Concrete floor joint of concrete slab etc.

Rate of Uses

Average consumption of **Dr. Fixit Permaseal 1190** in kgs for one linear meter length.

ร่องลึก (มม.)	5	10	15	20	25	30	40	50
5	0.035							
10	0.070	0.140						
15	0.105	0.210	0.315					
20	0.140	0.280	0.420	0.560				
25	0.175	0.350	0.525	0.700	0.875			
30	0.210	0.420	0.630	0.840	1.050	1.260		
40	0.280	0.560	0.840	1.120	1.400	1.680	2.240	
50	0.350	0.700	1.050	1.400	1.750	2.100	2.800	3.500

ร่องกว้าง (มม.)

Method of Application

1. Surface Preparation

- The Joint must be clean, dry and free of dirt, dust or other loose materials.

2. Priming

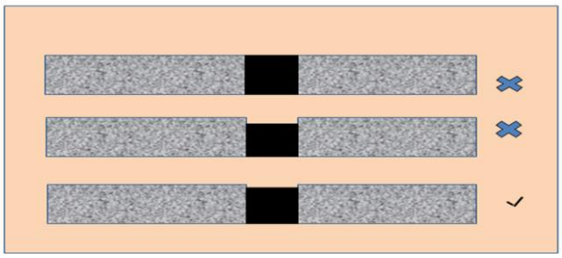
- To ensure good adhesion of sealant, application of **Dr. Fixit Sealobond Primer** is recommended.

3. Application

- Melt **Dr. Fixit Permaseal 1190** together with the wrapped plastic in oil-jacketed melter.
- Control temperature of heat transfer oil not higher than 240°C and sealant not higher than 180°C

- Stir sealant homogeneously until thoroughly melted.
- Pour melted sealant into prepared joints.
- The melted sealant should be used all in 2-3 hrs.
- Allow the poured sealant to dry and settle for 4 - 5 hrs. before opening traffic.

Pouring proportions



4. Cleaning

- Tools and equipment should be cleaned immediately with kerosene or mineral turpentine.

Technical Information

Properties	Specification / Standard TISI. 479-2541 and HWD	Results
1.Cone Penetration at 25oC, 150 g, 5 s, 0.1 mm.	90 Max.	40
2.Pouring Temp	Lower than the safe heating temp, 11°C Min.	140 ° C - 150 ° C
3.Safe Heating Temperature	-	≤ 170 ° C
4.Flow at 60 ° C, 5 h, incline 75, mm.	5 Max.	0.0
5.Bond Strength five 4 h cycles, at 0oC strain rate of 3 mm/h, test performed on three specimens	At least two test specimens of three shall not exhibit cracks more than 6.4 mm (1/4 inch) deep in sealer or between sealer and mortar block.	pass
6.Flash Point	-	> 250 ° C
7.Specific Gravity	-	~ 1.31

Packaging

DR. FIXIT PERMASEAL 1190	DR. FIXIT SEALOBOND PRIMER
Carton 15 kg	3.5 liters/Can,18 liter/Drum

Shelf Life & Storage

- Maximum 3 years in sealed container kept under shed area

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Health & Safety Precaution

- Incase of fire use dry chemical or carbondioxide or sand. Do not use water.
- If molten material comes onto contact with the skin, immerse the injured part under running cold water,and obtain medical advise immediately.
- Do not allow water to come into contact with molten material. This may cause it to boil over.

Other Product Categories available

- Waterproofing
- Repairing System
- Sealants
- Admixtures & Concrete Production
- Flooring
- Coating & Paints
- Tiling & Adhesive
- Grout & Anchors

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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