

DR. FIXIT EPOXY REBAR GROUT

Epoxy grouting for holding metal piece and rendering concrete

Description:

Dr. Fixit Epoxy Rebar Grout is an epoxy grout. It has excellent bonding and adhesion properties with various materials, non-shrink when dry and non-sagging. It can be used with dry and slightly damp areas, hard surface and good resistance to abrasion.

Dr. Fixit Epoxy Rebar Grout It one component is high viscosity solvent free epoxy resin with fillers and the other component is Epoxy hardener.

Area of Application:

- Use for holding iron metal piece in place, concrete joint, repairing concrete, sealing any hole in concrete structure.

Method of Application

- Clean the concrete surface thoroughly, if there is some porous cement attached to the surface, use mechanical machine such as sand blasting to get rid of.
- Thoroughly wire brushing, clean out all loose materials and dust.
- No need to use any primer.
- Mixing part A and part B together, can use screw driver with low RPM to mix for at least 2 minutes or hand mix until the mixture is homogeneous and has consistent viscosity.
- When using as concrete joint rendering, pour the mixture of part A and B on to the surface and render with cement ladle.
- For repair work, the wooden model should be prepared first and the thickness for each layer should not be greater than 30 mm.
- For vertical wall, the thickness for each layer should not be more than 10mm to prevent sagging
- For wet and moist surface, should use the ladle to press the epoxy grout on the surface to make sure that the film press against the surface and has better adhesion with the wet substrate.

Cleaning

- All the equipment needs to be cleaned immediately after the job was done using aromatic solvent such as xylene

Technical Information

Properties	Standard / Test Method	Result Test
1.Color Part A,	W-TP-006	light grey
2.Color Part B,	W-TP-006	dark grey
3.Mixing Ratio Part A : Part B	-	2 : 1 by weight
4.Density	W-TP-022	1.58 kg/L
5.Touch dry	W-TP-007	1.5 Hrs.
6.Through Dry	W-TP-007	5.4 hrs.
7.Compressive strength -at 7 day	W-TP-019	> 58.84 MPa
8.Flexural Strength -at 7 day	ASTM C580	33.1 MPa
9.Bond strength to Concrete -at 7 day	W-TP-008	1.24 MPa

DR. FIXIT EPOXY REBAR GROUT

Epoxy grouting for holding metal piece and rendering concrete

10.Bond Strength to steel -at 7 day	W-TP-008	0.67 MPa
11.Tensile strength -at 7 day	ASTM C190	14.37 MPa
12.Tensile Force at 7 day, kgf -Deformed steel bar diameter of 12 mm. -Round steel bar diameter of 9 mm.	Universal Testing Machine Shimadzu : Model UMH 50	5,585 kgf 4,385 kgf
13.Young’s modulus -at 28 day	-	3787.88 MPa
14.Pull-Out Test *DB16 SD40 Diameter of Drill hole : Depth of Drill hole - 24 mm. : 160 mm. - 24 mm. : 80 mm. *DB12 SD40 Diameter of Drill hole : Depth of Drill hole - 18 mm. : 120 mm. - 18 mm. : 60 mm. *RB9 SR24 Diameter of Drill hole : Depth of Drill hole - 18 mm. : 95 mm. - 18 mm. : 50 mm. *DB20 SD40 Diameter of Drill hole : Depth of Drill hole - 28 mm. : 100 mm. - 28 mm. : 200 mm. *DB25 SD40 Diameter of Drill hole : Depth of Drill hole - 33 mm. : 125 mm. - 33 mm. : 225 mm.	Pull-Out test in axial tension by AIT Maximum Load (Kg.) 10,000-11,000 Kg. 6,000-7,000 Kg. 6,500-7,500 Kg. 4,000-5,000 Kg. 2,200-2,700 Kg. 2,000-2,300 Kg. Pull-Out capacity test by Chulalongkorn University 4,650-6,950 Kg. 10,700-12,500 Kg. 6,050-8,250 Kg. 11,200-15,150 Kg.	

DR. FIXIT EPOXY REBAR GROUT

Epoxy grouting for holding metal piece and rendering concrete

Properties	Standard / Test Method	Result Test
*DB28 SD40 Diameter of Drill hole : Depth of Drill hole - 36 mm. : 140 mm. - 36 mm. : 250 mm.	-	7,500-8,850 Kg. 15,100-16,300 Kg.

Packing

- 1 kg set (A + B)

Storage

- Can keep in sealed container and shaded area for 12 months

Health & Safety Precautions

- Protective clothing such as gloves and goggles should be worn

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.



Pidilite Bamco Limited (A group company of Pidilite Industries Ltd.)
699 Modernform Tower 15,17 FL., Srinakarin Rd., Pattanakarn, Suan Luang, Bangkok 10250, THAILAND.
T. +662 722-8535 F. +662 722-8381
Website: www.dr-fixit.co.th
E-mail: sales@pidilitebamco.com
Helpline Call +662 722 8535 #101