

Dr. Fixit Pidigrout GP

General Purpose Non-Shrink Grout

Description:

Dr. Fixit Pidigrout GP is a non-shrink grout. It is ready-to-use, high mechanical strength (compressive strength can reach to 600 ksc at 28 days), no bleeding, no crack and very good flow.

Dr. Fixit Pidigrout GP is passed the standard ASTM C 1107-02 grade A, B and C fluid consistency. It is uniform blend of finely graded silica aggregate; select Portland cement, expansion agent and other admixtures (Green Super plasticizer).

Area of Application:

- Cavities, gaps and recesses, anchor bolts, structural columns in pre-cast crane, machinery foundation and bridge bearing pad in pre-cast crane

Rate of uses

* Theoretical consumption without allowance for loss.

- 25 KG bag per 3.75 – 4 Ltr. (15%) water

Method of Application

1. SURFACE PREPARATION

Clean the surface with wire brush to remove loose particles & hidden dirt on the concrete surface.

Wash the surface with water and saturate it for at least 24 hours. Remove any standing water after 24 hours. Formwork should be well sealed to prevent leakage before starting the grouting operation.

2. MIXING

Wet the inside of the mechanically powered paddled/drum type grout mixer or container with water, before starting to mix a batch of 1 bag of 25KG Dr.Fixit Pidigrout GP per 3.75-4 Ltr water (15-16%). Allow to mix for additional 2-3 minutes until a smooth, uniform homogeneous mix with 15 minutes pot life is achieved.

3. APPLICATION

After mixing pour Dr. Fixit Pidigrout GP, maintain constant hydro-static pressure to ensure continuous flow is applied on surface to allow grout to be breathable. Wire can be used to make sure all the cavities are filled and improve fluidity.

4. CLEANING

- Clean off grout on equipment with water before grout dries up
- If grout dries out on equipment peel off with tool

Precautions & Limitations:

- Working Temperature 25-35°C
- Soak the area with water for 24 hours before grouting.
- Ensure that the shuttering is leak proof
- Do not add extra water in any circumstances
- Avoid application in direct sun and/or strong wind
- Cool down steel base plate with water

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- Cover the exposed areas of grout with damp sack to prevent cracking due to heat generation during
- Use more than 1 mixer when applying Dr. Fixit Pidigrout GP

Technical Information

Properties	Specification/Method	Results
1.Appearance	-	Grey Powder
2.Water content (%) by weight	-	15% by weight
3.Bleeding of concrete	ASTM C232	1.97
4.Fluidity test by using J-14 funnel	JSEC-F531	7.69 second At 60 minutes
5.Compressive Strength of mortar -24 hours -3 days -7 days -28 days	ASTM C109	> 450 kg/cm ² > 500 kg/cm ² > 550 kg/cm ² > 600 kg/cm ²
6.Time of Setting (by using vicat) *Initial setting time *Final setting time	ASTM C 807	10 hr. 40 min 11 hr. 20 min
7.Change in Height at early age of cylindrical specimen (Shrinkage) *Maximum Shrinkage **End of test	ASTM C827	1.36 % 1.36 %

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Packing

- 25 KG bag

Storage

- 6 months Shelf life
- Store at cool & dry place ($+23^{\circ}\text{C} \pm 2\%$), away from moisture $50\% \pm 5 \text{ RH}$ (ISO 554)

Health & Safety Precautions

- As with all chemical products, caution should always be exercised
- Protective clothing such as gloves, goggles and facemask should be worn
- Treat any contact to the skin or eyes with fresh water immediately
- Should any of the products be swallowed, do not induce vomiting but call for medical assistance immediately
- Keep out of children reach

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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