



Insta Poly Crete

Ready Mix Polymer Mortar

Insta Poly Crete is a versatile, non-shrink, cementitious mortar that is designed for repairing irregular RCC profiles of RCC elements. It is a single pack premix that can be applied by trowel or by hand, making it easy to use. The product is suitable for use on horizontal, vertical, and overhead surfaces, without the need of any form / shuttering work.

The composition of Insta Poly Crete includes cement, polymers, dry graded minerals or aggregates, PP or glass fibers, and specialized additives in appropriate ratios to achieve its superior strength. The product is made after strict quality checks and is manufactured from a PLC controlled machine.

Insta Poly Crete offers several benefits. Its non-shrink properties ensure that there is no reduction in volume during the curing process, which helps to prevent cracks. It can be used for a range of repairs, from minor surface damage to more significant structural repairs.

Advantages

- ✓ Dual shrinkage compensated to reduce the risk of cracking.
- ✓ Repairs to RCC elements without shuttering.
- ✓ Pre-packed to overcome site batch variations.
- ✓ Excellent Adhesive and High Compressive Strength.
- ✓ Single Component, Hassel Free & Easy Application
- ✓ Early Strength Gain.
- ✓ Cost Effective, Enhanced DURABILITY.
- ✓ Fast and Clean system.
- ✓ Higher Coverage with Negligible Wastage.



Technical Details

Water for Mixing	Approx. 4.25 to 4.5 Litres in 25 Kg Bag	Compressive Strength of mortar in 28 Days	More than 40 N / mm ² in 28 days @ 25 Degree C.
Initial Setting Time	Approx 60 to 90 mins.	Flexural Strength	> 7 N/ mm ² in 28 days.
Final Setting Time	24 Hrs.	Tensile Strength	> 2.5 N / mm ²
Pot Life	20 - 30 mins.	Bulk Dry Density	1700 +- 50 kg / m ³
Shelf Life	4 months from the date of Manufacturing kept in Packed Bags.	Wet Density	2100 kg / m ³ to 2200 kg / m ³
Coverage	16-17 Sft / 25 kg bag @ 12-15mm thk	Packing Size	25 / 40 Kg Bags.



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for more detailed information about product kindly visit www.nrvinfra.com

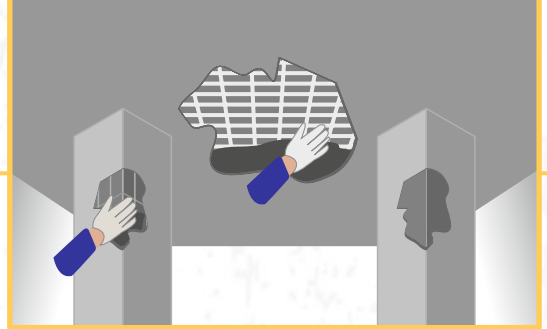
Area of Applications

- ❑ RCC Surface - Overhead and Vertical Sections.
- ❑ It can also be used as a filler material for Tie Rod Holes, Repairing of Honey Combed Structures, Voids greater than 10mm, etc.
- ❑ Overhead Surfaces.
- ❑ Ceiling Surface.



Instant Poly Crete Coats

- ❑ In Single coat maximum thickness should be applied 10-15mm.
- ❑ Multiple Layer Coats to be applied if thickness required is more than 20mm.



Mixing and Application



- ❑ Clean the surface and remove loose concrete, dust, oil, paint, grease, waterproof coating, etc. Expose corroded steel in the repair area and remove all scale and corrosion deposits.
- ❑ Apply Rust Remover for rust free Bars.
- ❑ Saturate the substrate with water to prevent absorption of water from the mixed material. In case of a very old concrete substrate, it should be primed by applying one coat of Poly BOND + WATER (1:1) as Bonding Agent.
- ❑ For mixing, mix Insta Poly Crete Mortar with approx 4.25 to 4.5 ltrs per 25kg bag.
- ❑ First mix for 5-10 minutes by hand or electrical mixer to mix homogeneously.
- ❑ Allow mortar to stand for next 5 minutes so that additives with water.
- ❑ Insta Poly Crete shall be applied with Trowel or with Hand application.
- ❑ Curing to be done 2 to 3 times a day for 5-7 days after final coat to get the desired strength alternatively Curing Compound to be used.

Safety and storage measures:

USE:



Disclaimer: The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subject to change without notice. Users are recommended to conduct a product suitability test before it is used on a large scale.



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