



PRIMEGROUT® UltraFILL EP-100

High Molecular Weight Low Viscosity Polymer Grout

PRODUCT DESCRIPTION:

UltraFILL EP-100 is specially prepared low viscosity resins based chemical used for grouting and filling of cracks and honeycombed concrete surface. It has ability to penetrate into the recess of concrete members and behind the reinforcement of the member under repair.

ADVANTAGES:

- ✓ Two-component system only need on site mixing of A and B component.
- ✓ High early and ultimate strength.
- ✓ Facilitate fast repair.
- ✓ Good bond with parent concrete.
- ✓ Non - shrink.
- ✓ Chemical resistance.
- ✓ Impermeable

USES:

Damaged and cracked structures often need repair and grouting to strength the whole mass. Conventional concrete used in the jacketing shutters often give to honey combing. **UltraFILL EP-100** has excellent free flowing properties and absolute waterproof. It can be used to grout and repair damaged concrete columns, beams, honey-combed structures etc. Other uses are in industrial floor repairs bridges, roads, drive ways etc.

UltraFILL EP-100 has excellent adhesion to the substrate and facilitates repair work to be speeded up cutting down time.

UltraFILL EP-100 eliminates shrinkage associated with cementitious materials and thus ensuring stress free surface.



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Primegrout Ultrafill ep-100/2013/R0-2013



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TECHNICAL DETAILS:

Parameters	Results
Base	High Molecular Low Viscosity Polymer Grout
Toxicity	Non-toxic after curing
Specific Gravity	0.9 (± 0.05)
Viscosity	170-270 cps
Compressive Strength, N/mm²	60
Flexural Strength, N/mm²	35
Tensile Strength, N/mm²	20
Pot Life	30 minutes after mixing at 25 °C
Shelf Life	12 month in original packing
Packing	5 kg, 20 kg
Cleaning	Multikleen EP-100 Thinner
Application Temperature	10-40 °C

APPLICATION METHOD:

Surface Preparation

Remove all dust, debris by flushing suitable means, keeping the surface dry.

Mixing

Place B component into A component and slowly mix for 3 minutes. Use this material as per requirement.

Place the mixed material in the form/grouting nozzle within its pot life. Care should be taken to see the gaps in the shutter forms/nozzles are effectively sealed with no air pockets inside.

Safety: **UltraFILL EP-100** is toxic and inflammable. Wear gloves and goggles for prolonged contact with the material and wash with water.





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Notes: Performance of the products depends on strict adherence to "Multichem Guidelines". Company is not responsible for any deviation from such guidelines, which may lead to products failure.

The yield /coverage/technical property given above is for guidance only. The actual results at site should be ascertained by field trial.

WARRANTY

Multichem warrants **UltraFILL EP-100** Special to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of **UltraFILL EP-100**.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor authorizes any person to assume for Multichem any liability in connection with the sale and installation of **UltraFILL EP-100**.

Because of constant improvement of manufacturing techniques and formulations, Company reserves rights to change this datasheet and its contents without prior notice.



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