



Series: XTK0002
Month: Sept. 2017
Supersedes all earlier TDS

X'TRAKRETE

ULTRATECH

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Description

UltraTech X'TRAKRETE is a Styrene Butadiene Latex co-polymer, multipurpose bonding agent.

Features & Benefits

- Easy and simple to use.
- Excellent repair material.
- Strongly bonds old concrete and plaster with new concrete and plaster.
- It's a multipurpose product which can be used as a binder, for waterproofing, for modifying mortar and concrete.
- Has higher coverage and tackiness time

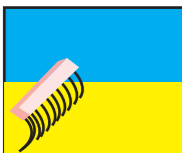
Areas of Application

UltraTech X'trakrete is recommended for standard / general water proofing of bathrooms, sunken areas, terrace and water tanks. For water proofing of surfaces which need high attention due to its severity UltraTech Seal & Dry can be used.

It can be used as a modifier in mortar and screed for repair of old concrete and plaster.

It strongly bonds old concrete and plaster surfaces with new layers of concrete or plaster/ mortar.

DIRECTIONS FOR USE

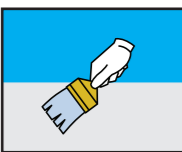


SURFACE PREPARATION

- Prepare the surface by removing oil, bond inhibiting agent, dirt, dust, laitance.
- Clean the surface with wire brush/water jet /mopping.
- Wet the surface with water and bring it to surface saturated dry condition.
- Corroded reinforced bars should be exposed, cleaned and treated with UltraTech BINDKRETE.

APPLICATION:

As a Bonding Coat



- Pour UltraTech X'trakrete in a mixing bucket and add cement powder as per the mix ratio given in the table in next page.
- Mix them thoroughly to form a thick slurry.
- Apply one coat of slurry by using stiff brush. Place the new concrete/mortar while the bond coat is tacky, within 20 -30 minutes of application.

As a water proofing Coat

- Mix UltraTech X'trakrete and cement to form slurry as per the procedure given above. The ratio should be kept as per the mix ratio given in the table.

- Apply the first coat of slurry using stiff brush, on the surface and then after 2 hours when the first coat is slightly tacky apply 2nd coat in the direction perpendicular to the first coat.

As a modifier for plaster and concrete



- Add UltraTech X'trakrete in plaster and concrete mix as per the details given in the Technical data

Technical data

Solid content – 45-50 % by weight in the solution

Description	Ratio to use as Bonding Agent	Ratio for Water Proofing	Polymer Modified Mortar	Polymer Modified Concrete
Mix ratio - X'trakrete : Grey cement	1:1.5	1:3.8 (X'trakrete, Water, Cement)	750 ml - 1 litre Per 50 Kg bag of cement	1.5 – 2 litre Per 50 Kg bag of cement
Coverage	12-15 sft per Kg@ 2mm thickness	100 sft per kg @1 mm thickness	Depends on mortar mix preparation	Depends upon concrete mix preparation
Pull of adhesion ASTM D 4541	1 N/Sqmm		Comp.Strength @ 28 days BS 6319 part2	Increases the strength by 10% than the normal mix
Slant shear strength BS 6319 part 4	5 N/Sqmm		Flexural strength @ 28 days BS 6319 part 2	Increases the strength by 10% than the normal mix

Note:- • By adding X'trakrete water powder ratio can be reduced by 10 %. Density, compressive strength, Bonding Strength also be increased by 10%.

- Tackiness Time 20 - 30 minutes in all applications.

Packaging

1 kg, 5 kg, 10 kg, 20 kg

Shelf Life

UltraTech X'TRAKRETE has a shelf life of 18 months from the date of manufacture. Store at cool and dry place.

Safety Directions

UltraTech X'TRAKRETE is non-toxic. Use of gloves and goggles recommended. Any splashes to the skin or eyes should be washed off with clean water.

In case of prolonged irritation, medical advice should be sought. UltraTech X'trakrete is non-flammable.

Other Product Categories available with UltraTech Building Products Division

- Aerated Lightweight Concrete Blocks
- Jointing mortar, Plasters and repair mortars
- Waterproofing Solution
- Tile Adhesives
- Grouting & Anchors
- Floor Screeds

DISCLAIMER

Information provided on this data sheet is the guideline for usage. Users are advised to undertake a trial for product suitability prior to its full scale usage. There is no implied guaranty/warranty for the results and the company is not liable for any consequential damages.



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