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## KRETO MOSAIC DIAMOND

WHITE & GREY ADHESIVE FOR INTERIOR EXTERIOR, FACADES & SWIMMING POOLS WITH S1 DEFORMABILITY PROPERTIES

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### TECHNICAL DATA SHEET

ULTRAKRETE

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#### ULTRAKRETE CONSTRUCTION CHEMICALS

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## PRODUCT DESCRIPTION

**KRETO MOSAIC DIAMOND** is white/grey cement-based highly polymer enriched, deformable flexible tile adhesive specially designed for fixing fully vitrified tiles, non-porous tiles, natural stones & glass mosaics on wall and floor, facades in interior & exterior situations including swimming pools and large format tiles

## FEATURES & BENEFITS

- **Highly polymer enriched adhesive**
- **Flexible to sustain substrate movements**
- **Excellent adhesion & slip resistance**
- **Highly water resistant- especially designed for swimming pools**
- **Suitable for dry & wet areas**

## SUBSTRATE REQUIREMENTS

Substrates should be structurally sound, stable, dry, clean and free of any substance or condition that may reduce or prevent, proper adhesion.

## MIXING

Pour approximately 5-5.5 liters of clean portable water into a clean mixing container. Gradually add 20 kg of **KRETO MOSAIC DIAMOND** while slowly mixing manually or preferably with a low speed drill mixer. Mix thoroughly until the mixture becomes a smooth, homogeneous, lump free paste. The mix is now ready for application.

## APPLICATION

- Using a suitably notched trowel, spread enough mixed adhesive, preferably 1m<sup>2</sup> at a time
- Press the tiles onto this bed firmly with a slight twisting action
- Depending upon the porosity & atmospheric conditions, the tiles should be fixed within 15-20 minutes of adhesive being applied
- Periodically check that good contact is maintained with the back of each tile
- Unless the tiles are self spaced, leave adequate & uniform joints between individual tiles using **KRETO Spacers**
- Clean off the excess adhesive from the surface & joints using a damp sponge.
- Do not use in wet or damp conditions and temperatures below 5°C

## GROUTING

Allow a minimum of 24 hours before grouting or longer if the background is of low absorption. Appropriate shades & material can be selected from our KRETO range of cementitious & Epoxy grouting materials.

## COVERAGE

Shall depend primarily on the nature & flatness of the surface to be tiled and the method of application. However on a level background approximately 3 kg/m<sup>2</sup> adhesive shall be required at 3 mm bed thickness using fine bed trowel.

## PACK SIZE

20 kg and 50 kg.

## SHELF LIFE

If stored properly, clear off the ground, in normal dry conditions the unopened pack shall have a shelf life of 12 months.

## PRECAUTIONS

Wear suitable protective clothing, gloves and eye protections. In case of contact with eyes, rinse with clean water and seek medical advice immediately. Keep reach out of reach of children

## TECHNICAL SPECIFICATIONS

Bed Thickness	2-6 Mm
Color	White
Walls/Floors	Use thin / fine bed Trowel
Mixing Ratio (Parts By Wt.)	1:4 (Approx. 5.5 liters of water for 20 kg)
Pot Life 27°C ± 2°C	3 Hours
Open Time	15-20 Minutes
Setting Time	24 Hours
Adjustability	10-15 Minutes
Foot Traffic	After 24 Hours
Tensile Adhesion	14 Days – 2.0 Kn
Shear Adhesion	14 Days – 18 kN
Temp. Resistance	-30°C To 120°C
Transverse Deformability EN 12004:2017	Confirms Deformable S1 >3.1 to < 3.9 MM
Standards	Conforms IS 15477:2019 (Type 4) EN 12004 : C2 TE S1
Grouting	After 24 Hours

**NOTE:** For free expert technical guidance for the use of this product or any other aspect of Tile fixing please contact: *Technical Helpline: +91 73411 25141*  
Email: [customercare@ultrakrete.com](mailto:customercare@ultrakrete.com)