

1.5 Ezi ULTRA FLEX 3 IN 1

HIGH PERFORMANCE SINGLE PART FLEXIBLE CEMENT-BASED ADHESIVE FOR LARGE-FORMAT WALL TILES, CERAMIC TILES AND NATURAL STONES



DESCRIPTION

Ezi ULTRA FLEX 3in1 is a single part, excellent performance, latex modified, flexible cement-based adhesive with *Extended Open Time (E)*, *Slip Resistant (T)* and *Enhance Flexibility (S1 -Deformability)*. Conform to the requirement of : MS ISO 13007-1, Classified as type C2 TE S1.

MAIN CHARACTERISTIC



USAGE

Specially develop for :

- Wide range of impervious ceramic tiles (water absorption < 0.05%) and natural stones, e.g. porcelain tile, homogeneous tile, marble, granite etc.
- Large format **wall** tile up to 600 x 600 mm.
- Internal/external, dry/wet floor areas, including water immersion area (e.g. swimming pool).

PERFORMANCE & BENEFITS

- Excellent Adhesion & Cohesion Strength**
Maximise cement hydration to attain optimum strength.
- High Flexural Strength**
Provide excellent flexibility to absolve vibration and movement.
- Extended Open Time**
Additional open time can provide longer working time to improve job efficiency.
- User Friendly & Excellent Workability**
Easy to use and provide excellent workability for greater productivity
- Excellent Slip Resistance**
Provide thixotropic properties for greater slip resistance during vertical installation.
- Water Resistant Properties**
Cured Tile adhesive bed will not affected by water.
- Prevent Mixing Error**
Avoid mixing error or abuse (only mix with clean water).
- Reduce Drying Shrinkage**
Minimise shrinkage during drying period.
- Minimise Efflorescence**
Provide adhesive bed with special additive which can minimise efflorescence & bleeding etc.



PRODUCT INFORMATION

Name	: Ezi ULTRA FLEX 3in1
Packing	: 25 KG
Classification	: MS ISO 13007-1 Class C2 TE S1
Shelf Life	: 12 Months in Cool & Dry Condition
Appearance	: Grey Fine Powder
Dry Solid Content	: 100%
pH Value	: Alkaline
Toxicity Hazard	: No
Inflammability	: No

APPLICATION DATA (Tested at approx. 25 °C)

Mixing Ratio	: 3 pbw. Ezi ULTRA FLEX 3in1 to 1 pbw. water (7-8L Water to 25Kg ULTRA FLEX 3in1)
Consistency of Mix	: Non-Slump Creamy Paste Form
Coverage	: Approx. 8 - 9m ² per bag (at 3mm bed thickness)
Bed Thickness	: Recommended 3-6 mm
Slip Resistant	: Excellent
Workability	: Good (Smooth & Non-Slump)
Open Time	: Approx. 15 - 30 minutes
Adjustability Time	: Approx. 15 - 30 minutes
Pot Life	: Approx. 3 - 4 hours
Initial Set	: Approx. 10 -12 hours
Light Foot Traffic	: Approx. 24 hours
Setting Time	: Approx. 24 - 48 hours
Application Temperature	: +5 °C and at Normal Ambient Temperature

TECHNICAL DATA (Tested at approx. 25 °C)

Tensile Adhesion after 28 days air dry	: 2.7 ± 0.10 N/mm ²
Tensile Adhesion after Water Immersion	: 1.5 ± 0.10 N/mm ²
Tensile Adhesion after Heat Aging	: 2.0 ± 0.10 N/mm ²
Transverse Deformation	: 2.7 ± 0.10 mm
Resistance to Heat	: + 100 °C
Resistance to Frost	: - 5 °C
Resistance to Water	: Good
Resistance to Alkalies	: Very Good
Resistance to Acids	: Poor
Resistance to Oil & Solvent	: Fair
Flexibility	: Very Good

Tested in reference with the Requirement of:
MS ISO 13007-1 Type C2 TE S1