

## ISOLION CERAMIC ADHESIVE MORTAR

<b>Product Definition</b>	<ul style="list-style-type: none"><li>› It is adhesive mortar specially developed for excellent adhesion of ceramic on the surface horizontally and vertically in interior and exterior places in buildings that is cement-based, single-component and powder polymer additive.</li></ul>
<b>Area of Use</b>	<ul style="list-style-type: none"><li>› Used in internal and external areas,</li><li>› In wall and floor,</li><li>› In horizontal and vertical surface applications,</li><li>› In adhesion of max. 40*40 cm tiles, ceramic tiles,</li><li>› Applications on concrete or screed floor surface.</li></ul>
<b>Characteristics and Advantages</b>	<ul style="list-style-type: none"><li>› It is resistant to harsh weather conditions.</li><li>› Easy to apply.</li><li>› It has a high adhesion.</li><li>› It does not slip.</li><li>› It has high operating time.</li></ul>
<b>Application Details</b>	<ul style="list-style-type: none"><li>› It should be cleaned of foreign objects such as dust, oil, paint etc. preventing adherence on the surface. To obtain a smooth finish, loose damaged concretes on the surface should be cleaned using chisel or leveling tools. It should be noted that application has reached surface strength. It should be filled and leveled with appropriate ISOLION REPAIR MORTAR in surfaces requiring repair 3-4 days before application.</li></ul>
<b>Surface Preparation</b>	
<b>Application</b>	<ul style="list-style-type: none"><li>› ISOLION CERAMIC ADHERING MORTAR of 25 kg powder form is added to 6-6.5 l clean water and mixed with low speed mixer or drill for 3-4 min to ensure a homogeneous mixture without agglomerate. This prepared mixture is rested for 5-10 min for maturation and used by mixing again. It is advised to consume the mix in container in 2.5-3 hours. Ready made ISOLION CERAMIC ADHESIVE MORTAR is applied with trowel with by pressing strongly of the surface, and a layer is formed. Mortar applied on the surface to be adhered is combed with a toothed trowel suitable to type and/or dimensions of tile to be adhered. Files are pressed and adhered strongly within at the latest 20 minutes. Contact of 90% of tiles' back surface with mortar should be ensured. A better adhesion is ensured by hitting tile with a plastic mallet after adhering on mortar. According to type, dimensions of floor tile and/or status of surface to be applied, double faced adhesion method application can be made by applying mortar on back side of floor tiles. For better adhesion in façade applications, use ISOLION LTX 140 (check the code) adherence increasing material in its water. Joint application should be made 24 hours later in horizontal and 48 hours later in vertical type.</li></ul>

## Warnings and Recommendations

- › Refrain from applications below +5°C and over +35°C.
- › Do not apply under direct sunlight and/or wind.
- › Refrain from using on surfaces exposed to prolonged sun exposure or frozen or with the risk of freezing in 24 hours.
- › Refrain from swallowing and contact with eyes. Wash with plenty of water in case of contact. Consult to the nearest health center immediately.

## Technical Specifications

Quality Standards Compliance	C1 (reduced normal drying slip)
Color	Gray
Appearance	Thin Dust
Density	1.65 kg/l
Water Mixture Ratio	6-6.5 l for 25 kg.
Resting	5-10 min
Operating Time	2.5-3 hours
Crustation Duration	20 min
Application Surface Temperature	+5°C, +30°C
Preliminary Shrinkage Adhesion Resistance	≥0.50 N/mm <sup>2</sup>
Shrinkage Adherence Strength after Dipping into Water	≥0.50 N/mm <sup>2</sup>
Shrinkage Adherence Strength after Aging with Heat	≥0.50 N/mm <sup>2</sup>
Shrinkage Adhesion Resistance for Freezing Dissolution Cycle	≥0.50 N/mm <sup>2</sup>
Fire Reaction Class	A1

\*\*\* Tests have been performed in a laboratory environment at 23 °C and 50% relative humidity.

## Consumption

- › 4-4.5 kg/m<sup>2</sup> (with 6 mm notched trowel)

## Packing

- › Craft bags of 25 kg

## Shelf Life

- › 12 months under suitable conditions in unopened original packaging.

## Standard

- › Conforms to TS EN 12004 A1 standard.

