

## ISOLION REPAIR MORTAR (THIN)

<b>Product Definition</b>	<ul style="list-style-type: none"><li>› It is a thin repair mortar with high performance, single-component, cement based, polymer modified that is developed for repair of places requiring fine adjustments on surfaces such as wall, concrete, gross concrete.</li></ul>
<b>Area of Use</b>	<ul style="list-style-type: none"><li>› Internal and external areas of all buildings,</li><li>› Gross concrete and cement based plasters,</li><li>› In walls and ceilings, repair of impermeable and high resistance concrete repair,</li><li>› Aesthetic repairs of concrete structures,</li><li>› Repairs of edges and corners,</li><li>› Surfaces of reinforced concrete buildings and structures such as gas concrete, gross concrete, prefabricated concrete, briquette tile etc.</li></ul>
<b>Characteristics and Advantages</b>	<ul style="list-style-type: none"><li>› Easy to prepare and apply.</li><li>› It has high adherence performance and resistance.</li><li>› It has water vapor permeability.</li><li>› It is in nonflammable feature.</li><li>› Flexible.</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. Primarily copolymer lining agent application is recommended on surfaces to be applied. If lining application is not conducted, surface should be moistened but no water ponds should be left. Before applying repair mortar on surfaces to be applied with lining, it should be kept for 5-10 minutes to form adhesion adherence.</li></ul>
<b>Surface Preparation</b>	
<b>Application</b>	<ul style="list-style-type: none"><li>› ISOLION REPAIR MORTAR (THIN) of 25 kg powder form is added to 5.5-6 l clean water and mixed with low speed mixer or drill for 3-4 min to ensure a homogeneous mixture without agglomerate. The prepared mixture is rested for 5-10 min for maturation. It is mixed again for 1-2 minutes to become ready for use. It is advised to consume the mixture in container in 30 minutes. Any additives and chemical goods should not be added to the material ready for use. Before application, surface should be watered and saturated. ISOLATION REPAIR MORTAR (THIN) should be applied uniformly to the whole surface with the help of steel trowel. After starting to dry, fixes on the surface should be made with the help of plastic trowel or damp sponge. If more than one layer application is to be made, application should wait for another 3 hours. Before passing on to application of the next surface, surface should be moistured. The mixture should be mixed at intervals to avoid being encrusted.</li></ul>
<b>Warnings and Recommendations</b>	<ul style="list-style-type: none"><li>› Refrain from application below +5°C and over +35°C.</li><li>› Do not apply under direct sunlight and/or wind.</li><li>› Do not add power or water to mortar with operation duration passed.</li></ul>

## Technical Specifications

Color	Gray or White
Appearance	Fine Dust
Density	1.61 kg/l
Water Mixture Ratio	5.5-6 l water (for 25 kg Powder)
Resting	5-10 min
Operating Time	30 min
Waiting between Floors	At the least 3 Hours
Application Surface Temperature	+5 °C,+30 °C
Application Thickness	Between 5-20 mm
Adhesion Resistance	1.00 N/mm <sup>2</sup>
Connection Resistance	≥ 0.5 N/mm <sup>2</sup>
Flexural Strength	A minimum of 4 N/mm <sup>2</sup> (28 days)
Pressure Resistance	At least 15 N/mm <sup>2</sup> (28 days)
Fire Reaction Class	A1

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

## Consumption

› For 1 cm thickness, 1.5-2 kg/m<sup>2</sup>; it varies depending on depth and smoothness of surface.

## Packing

› Craft bags of 25 kg

## Shelf Life

› 12 months under suitable conditions in unopened original packaging.

## Standard

› Conforms to TS EN 1504-3 standard.

