

ISOLION YE 2K 110

TWO-COMPONENT CEMENT-BASED SEMI ELASTIC WATER INSULATING MATERIAL

Product Definition	<ul style="list-style-type: none">› It is a dwell based waterproofing material that is bicomponent, cement and acrylic based, polymer modified, semiflexible, developed specially against water coming from positive direction.
Fields of Use	<ul style="list-style-type: none">› Used for water storage tanks, swimming pools,› Terrace and balconies,› Foundation and curtain walls,› Interior and exterior places for vertical and horizontal applications,› Used in wet areas such as bathrooms, WC etc.
Characteristics / Advantages	<ul style="list-style-type: none">› Can be used in indoor and outdoor environments.› Does not make shrinking and cracking.› It is flexible, constitutes crack bridge.› It is suitable for horizontal and vertical applications.› Despite lack of corrosive and toxic substances, it can be used in water storages.
Application Details Surface Preparation	<ul style="list-style-type: none">› Surfaces should be clean, smooth and solid as purified from adhesion prohibiting materials and wastes such as dust, oil, dirt, rust, mold lubricant and detergents. If segregation exists in cement, loose and deteriorated parts should be thrown and weak parts must be removed. If any cracks and holes exist on the surface to be applied, they should be repaired with ISOLION REPAIR MORTAR.
Application	<ul style="list-style-type: none">› ISOLIO YE 2K 110, B component (liquid) is poured into a clean container. On it, A Component (powder) is added slowly, mixed with a low-speed mixer or drilling machine, and it is mixed for 5 min until a homogenous mixture is obtained. This mixed product is rested for 5 min after mixing (to solve organic substances in it) and then mixed for another 30 seconds to make product ready for use. This mixture can be applied with a brush or trowel. Without water-saturated surface losing its moisture, well mixed and rested ISOLION YE 2K 110 is applied with a hard brush and/or trowel on the surface. Following first setting of material, 2nd layer application is made in vertical direction of 1st layer application. If desired, carrier glass wool or 75gr/m² net can be used as fittings between floors.
Warnings and Recommendations	<ul style="list-style-type: none">› During coating process, it should be paid attention not to harm insulation material mechanically.› Since it is cement based, do not breathe its powder; do not contact it with skin and eye.› Do not apply on wood, chipboard, MDE, plywood, PVC and metal surfaces.› For mixture, only its own liquid should be used. Never add water.› Do not add foreign substances.› To achieve long-term performance expected from the product, protection is required. To protect against all types of punctures, starching and impacts that may occur after application, tile, ceramics, plaster and alum should be applied 3 days later.› After application, it should be protected against negative weather conditions such as direct sunlight, high winds, high temperatures (+35°C), rain and frost. Hands should be cleaned with water and detergent before the product receives complete cure and hardens.› Immediately after application, before hardening, equipments should be cleaned with water. After the product hardens, it should be cleaned by mechanical means.

Technical Specifications

Mixture Colour	Gray
Liquid density (kg/l)	1.02 (± 0.03)
Liquid density + powder(kg/l)	1.70 (± 0.10)
Adhesion Strength (N/mm ²) (TS EN 1542)	≥ 0.8 (28 days)
Water Transfer Rate (kg/(m ² .h)) (EN 1062-3)	<0.1
Water Vapor Transfer Rate (g/(h.cm ²))(TS EN ISO 7783-2)	<0.6
Pressurized Water Resistance	5 Bar Positive
Surface Temperature of Surface to be applied (°C)	+5°C / +30 °C
Waiting Duration	5 Minutes
Operating Time (20°C)	2 Hours
Coating with Plaster	3 Days
Hazardous Materials	Complying with Article 5.3.
Fire Reaction	Class B

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

Consumption

› 1.5-2 kg/m² (single floor, for 1 mm)

Packing

› Set of 25 kg; (kraft bag of 20 kg (powder component) + 5 kg drum (liquid component))

Shelf life

› 12 months after the date of production in its unopened and unharmed original package.

Standard

› Conforms to TS 14891, EN EN1504-2 standards.

