



6020

Double Component Perfectly Elastic Isolation Material - UV Resistant (White)



Product Code : 6020
Quality Certificates
 The product conforms to the EN 1504-2 standard.

Safe to use in drinking water system

Description: A white cement and acrylic-based, perfectly-elastic, double components water isolation material with advanced UV resistancy. Components must be mixed for water resistancy. Resistant to positive water pressure.

Application Areas: Indoor and outdoor, horizontal and vertical applications, isolation of walkable deck roofs, wet areas such as bathroom, kitchen, balcony, water tanks, cisterns, swimming pools, groundwork isolation, retaining walls and basement isolation, irrigation channels, manholes, concrete pipes, facilities such as thermal springs, Turkish baths, isolation of concrete flower receptacle.

Advantages:

- Easy to apply on horizontal and vertical surfaces with a brush, roller, trowel or spraying machine, not affected by temperature,
- Provides seamless water isolation without joints.
- Provides highly performing water isolation.
- Is elastic, does not shrink and crack, resistant to UV rays.
- Safe to apply on uncovered deck roofs exposed to light loads.
- Allows the concrete to breathe.
- Nonpoisonous, perfect for water tanks.
- Forms a perfect isolation layer under ceramic and screed due to its flexibility and high bonding property.
- Protects concrete surfaces from carbonization and chloride.

Preparation of the Surface: Attention must be given that the application surface is cured. The application surface must be clear of materials which prevent bonding, such as dust, oil, paint, silicone, curing agents, detergents and mold release oils. Weak parts of the concrete must be repaired, plasters that are not well adhered must be removed, the surface must be flat and sound, static cracks on the building must be repaired with High Strength Shrinkage Compensated Repair Mortar. Dynamic (moving) cracks must be repaired with Polyurethane Sealant. Irons and wedges on the surface must be removed and the holes that have water outflow must be filled with appropriate products, such as Rapid Setting Plugging Mortar. The surface must be saturated with water and must be kept moist during the application.

Preparation of the Mortar: Put Component B (7 kg) in a clean pot. Add Component A (20 kg) into the liquid slowly and mix preferably with a drill with low speed until there are no lumps. Do not add water. Leave the mixture to

mature for 3 - 5 minutes, mix again for 30 seconds before usage. The mixture in the pot must be used in 30 minutes. In case this duration is exceeded, the mortar should not be used.

Application Information: Falcon Double Component Perfectly Elastic Isolation Material - UV Resistant (White) is applied on the surface at least in 2 or 3 layers that are perpendicular to each other. There must be a waiting period between two applications, minimum 5 - 6 hours – maximum 24 hours, at +20°C. Second layer must be applied before the first layer is completely dry. In case the first layer is dry, the surface must be moisturized again before the application of the second layer. The surface must be protected from sunlight and prevented from drying quickly, for 3 days after the application of the second layer. After the application of the first layer, the corners must be beveled before the application of the second layer. It is recommended to use a mesh between the layers. It gains mechanical strength in 3 days, becomes waterproof in 7 days. It gains its final strength in 14 days.

Consumption: 1 – 1.5 kg/m² is applied on each layer, in 1 mm thickness. It is recommended that 2 or 3 coats are applied (2 - 4 kg/m²).

Caution: Avoid application in temperatures below +5°C and above +35°C. Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind. It is UV resistant after it sets. Do not add water to the mixture. Always add powder component into the liquid component. During the application, wet film thickness should not exceed 2 mm for one coat. The values mentioned above are obtained at 23±2°C and 50±5 relative humidity conditions.

Packaging: Component A: 20 kg craft bags
 Component B: 7 kg plastic drums

Shelf Life: Unopened packages can be stored in dry environments for 12 months, and stacked 10 packages on a pallet. Shake the liquid component before use and protect it against frost.

Health and Safety: As with all chemical products, contact with food, skin, eyes and mouth should be avoided during usage and storing. If swallowed by accident, consult a doctor. In case of contact with skin, rinse with plenty of water. Keep out of reach of children.



Technical Properties

Appearance	: Component A: Grey colored fine powder Component B: White colored liquid
Density	: Component A: ~1.40 kg/l Component B: ~1.03 kg/l
Mixture Rate	: 7 kg liquid / 20 kg powder
Resting Period	: 3 - 5 minutes
Flexibility	: Very good
Application Temperature	: Between +5°C and +35°C
Resistance to Pressurized Water	: 7 bar positive (DIN 1048)
Capillary Absorption and Permeability to Water	: $w < 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})$ (EN 1062-3)
Time to Use	: Mechanical Strength : 3 days Waterproofness : 7 days
Time to Cover	: 3 days
Service Temperature	: -20°C / +80°C

Application instructions and technical data provided for the products are obtained in line with our experience and the tests we implemented according to international standards under ambient temperatures of 23 ± 2 °C and ambient relative humidity conditions of 50% ± 5. Higher temperatures decrease the times and lower temperatures increase them.