Technical Datasheet

ISOPAST

Bituminous waterproofing emulsion

Description

ISOPAST is a water-based, solvent-free, waterproofing bituminous emulsion consisting of resins and mineral stabilizers.
It shows excellent adhesion to various substrates such as concrete, metal, wood, polyurethane, polystyrene, etc. It is applicable to slightly damp substrates.
After hardening, it forms a membrane that is resistant to low-concentration acidic and alkaline solutions, remaining unaffected by salts present in the subsoil.

Fields of application

ISOPAST is used for waterproofing and protection of concrete surfaces, including flat roofs, roofs, floors, external walls, foundations, etc. Moreover, it can be used as primer prior to bonding bituminous waterproofing membranes and for maintenance of existing bituminous layers.

Technical data

According to ASTM D-1227, ASTM D-2939

Color:	brown
Density:	1.10-1.14 g/cm^3
Flow resistance at 100°C:	Pass
Flexibility at 0°C:	No cracks
Residue by evaporation:	55% - 60%

Cleaning of tools:
Tools must be cleaned thoroughly with water, immediately after use. After hardening, tools should be cleaned with gasoline or diesel.

Directions for use

1. Substrate
The substrate must be clean, dry, free of dust and loose materials.

2. Application
ISOPAST should be thoroughly stirred prior to application. It is applied by roller, brush, or airless spray.

For waterproofing and protection:
ISOPAST is applied as a primer in one layer diluted with water up to 50% by weight. Once dry, at least two more layers of ISOPAST must be applied diluted with water up to 25% by weight. Subsequent layers must be applied at right angles to the previous, allowing each layer to dry completely before applying the next one.

For use as primer prior to bonding bituminous waterproofing membranes:
ISOPAST is applied in one layer diluted with water up to 25% by weight. Bonding of the bituminous waterproofing membranes follows after the primer has dried.

Temperature during application should be between +5°C and +35°C. If rainfall or conditions of high relative humidity are expected, application should be postponed.
When ISOPAST is used on surfaces exposed to UV radiation, it must be protected with the solar reflective aluminum coating ISOLAC-BT ALU.

Consumption

- Waterproofing roofs: ~2.5 kg/m^2.
- Waterproofing supporting walls: ~1.5 kg/m^2.
- Primer for bituminous waterproofing membranes: 0.40-0.60 kg/m^2.

Consumption depends on substrate type and absorbency.

Packaging

ISOPAST is available in 5 kg and 19 kg plastic containers.

Shelf life – Storage

12 months from production date, in unopened containers, in cool, dry and frost-free conditions, at temperatures higher than +5°C.

ISOPAST

Remarks

- ISOPAST is not resistant to organic solvents, oils and strong chemical detergents.
- Avoid contact with eyes and skin. Use protective equipment during application (gloves, protective clothing, eye and face protection). For more information, please consult the relevant Material Safety Data Sheet (MSDS).

Volatile Organic Compounds (VOCs)

According to the Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for product subcategory i, type WB, is 140 g/l (2010) for the ready-to-use product.
The ready-to-use product ISOPAST contains a maximum of 140 g/l VOC

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