



Waterproofing ISOPHALT VARNISH

Technical Data Sheet

Reviewed: 06.06.2015



DESCRIPTION

ISOPHALT VARNISH is a bituminous solvent based waterproofing varnish with excellent adhesion on most surfaces. It is used as a primer to increase bonding of bituminous waterproofing membranes, as well as a final coat for waterproofing concrete or other surfaces (protection against oxidation). It dries fast and provides a durable and uniform waterproofing film with very good adhesion properties on construction materials, withstanding acid and alkaline solutions, as well as saline water. It is affected by mineral oils.

ADVANTAGES

- Hard and uniform water repellent anticorrosive film
- Superior adhesion on most building surfaces
- Excellent water, humidity, sea water resistance
- Excellent resistance to ageing
- Easy application

APPLICATIONS

- Surface primer for adhesion of bituminous membranes.
- Waterproofing and protection of external concrete surfaces.
- Waterproofing and repair of gutters, groves and various other similar applications.
- Excellent anticorrosive protection of water pipes, natural gas pipes etc.
- **ISOPHALT VARNISH** is compatible with polyurethane, concrete, lightweight concrete, asbestos, cement, brick, stones, metal, wood and plasterboard. It is not compatible with polystyrene because it contains organic solvents.

INSTRUCTIONS FOR USE

Surface Preparation

Surfaces must be levelled, dry, dust free, grease free, clean from unstable and foreign materials.

Application

ISOPHALT VARNISH is cold applied by roller, brush or spray gun diluted with gasoline if required.

For fixing bitumen membranes: use one coat as a primer which should be let for 24 hours before flame application. Vertical surfaces will require a second coat.

For concrete surface sealing: apply two coats crossways after the first has dried completely.

Reinforcement can be provided using fibreglass embedded in between the 2 coats of **ISOPHALT VARNISH**. The fabric should be applied into the first coat of **ISOPHALT VARNISH** whilst it is wet, creating an 'in situ' plastomeric bituminous membrane.

The material achieves its final cure properties at least after 48 hours.

CLEANING

Tools are cleaned with gasoline or nitro solvent immediately after use. Dried material can only be removed with mechanical means.

COVERAGE

For **concrete surfaces** consumption is approximately 1 kg/m² per layer, depending on the surface type and porosity.

For **rough surfaces** 2-3% cement may be added to the material in order to achieve a smoother and more levelled surface.

For **metallic surfaces** consumption is approximately 0.3 - 0.6 kg/m² per layer.

TECHNICAL CHARACTERISTICS

Colour: black

Odour: characteristic

Density: 985 gr/Lt

Viscosity: 2932 cP (sp. 3,2DRPM)

Solid content: 75-80% w/w

Solvent content: 20-25% w/w

VOC (Volatile organic Compounds) CONTENT: (Directive 2004/42/CE) EU maximum VOC content limit values for this product (category A/i(SB): «One-pack performance coatings»): 500 gr/lit (2010). This product contains maximum 499 gr/lit VOCs (ready for use product).

STORAGE

Store in dry and cool storage conditions at temperatures 5^o-30^oC. Protect from moisture, frost and direct sunlight.

SHELF LIFE

At least 12 months in unopened containers. Products should remain in their original unopened containers, bearing the manufacturers batch number.

PACKAGING

1Lt, 5Lt, 17Lt

PACKAGING	CODE	BARCODE
1Lt	5056	5204094050568
5Lt	05065	5204094050698
17Lt	5055	5204094050575

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HEALTH AND SAFETY INFORMATION



Flam. Liq. 2: H225 Highly flammable liquid and vapour **Repr. 2: H361d** Suspected of damaging the unborn child. **Skin Irrit. 2: H315** Causes skin irritation **STOT RE 2: H373** May cause damage to organs through prolonged or repeated exposure **STOT SE 3: H336** May cause drowsiness or dizziness **P271** Use only outdoors or in a well-ventilated area **P303 + P361 + P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower **P304 + P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing **P312** Call a POISON CENTER or doctor if you feel unwell **P362 + P364** Take off contaminated clothing and wash it before reuse **P370+P378**: In case of fire: Use ABC powder extinguisher to extinguish. Substances that contribute to the classification: Toluene (CAS: 108-88-3);

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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