



# Waterproofing ISOPHALT LATEX

## Technical Data Sheet

Reviewed: 06.06.2015



### DESCRIPTION

**ISOPHALT LATEX** is waterbased bituminous emulsion based on a mixture of pure asphalt and fillers. It is odourless, non flammable and free from dangerous solvents. It is suitable for protection and waterproofing building surfaces. A continuous waterproof film is formed after water evaporation, with excellent adhesion properties to the substrate. The dried film is resistant to acid or alkali solutions.

### ADVANTAGES

- Excellent adhesion on most building surfaces
- Excellent water/humidity resistance
- Excellent resistance to ageing
- User and environmentally friendly – free from organic solvents
- Easy to apply and work with.

### APPLICATIONS

- Waterproofing of vertical or horizontal concrete surfaces such as terraces and slope roofs, foundations, interior and exterior walls, floors, retaining walls, basement walls etc and as vapour barrier.
- Can be mixed with sand and cement to create a plastoelastic mortar with excellent mechanical properties suitable for industrial floors, gyms etc.
- **ISOPHALT LATEX** is compatible with common building substrates such as concrete, plaster, masonry, brick, stones, metal, plasterboard etc.

### INSTRUCTIONS FOR USE

#### Surface Preparation

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

**ISOPHALT LATEX** may be applied even on humid surfaces.

#### Application

**ISOPHALT LATEX** can be applied by brush or airless spray.

#### Vertical surfaces

Apply a first layer of **ISOPHALT LATEX** diluted 50% with clean water.

Apply the following layer of **ISOPHALT LATEX** diluted up to 25% with clean water.

### Horizontal surfaces

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

Dilute **ISOPHALT LATEX** following the instructions mentioned in the application for vertical surfaces.

**ISOPHALT LATEX** must not be applied when the temperature is below 5°C.

### CLEANING

Tools are cleaned with water and soap while material is still wet. Use gasoline for dried material.

### REMARKS

**ISOPHALT LATEX** must not be applied at temperatures below 0°C, under very hot weather conditions or when rain is expected.

**ISOPHALT LATEX** is waterproof when completely dry. In order to accelerate drying time the use of 2-3% of cement is recommended.

### COVERAGE

Consumption depends on surface type and porosity.

Indicative consumptions of **ISOPHALT LATEX** depending on the application:

**Vertical surfaces:** two coats 0,6 - 1 kg/m<sup>2</sup>

**Non trafficable horizontal surfaces:** two coats 2 - 3 kg/m<sup>2</sup>

**Trafficable horizontal surfaces:** using reinforcement fibreglass 3,5 - 4 kg/m<sup>2</sup>

### TECHNICAL CHARACTERISTICS

**Density:** 1104 gr/Lt

**Colour:** dark brown / black

**Odour:** light characteristic

**Ph:** 8-9 (25°C)

**Dry residue after evaporation:** 54,8%

**Volatile compounds:** 45,19%

**Ash content of residue:** 27,54%

**Water content:** 44,5%

**Curing time:** <24h

**Heat resistance at 100°C (ASTM D 2939/98):** No shrinkage observed on the aspect of the layer below the last reference line

**Water immersion resistance 27°C for 24h (ASTM D 2939/98):** No bubbles or re-emulsification

**Reaction to fire:** No ignition

**Flexibility at 0°C (ASTM D 2939/98):** No cracks or peeling

**Flexibility at -4°C (ASTM D 2939/98):** No cracks or peeling

**VOC (Volatile organic Compounds) CONTENT:** (Directive 2004/42/CE) EU maximum VOC content limit values for this product (category A/i(WB): «One-pack performance coatings»): 140 gr/lit (2010). This product contains maximum 10 gr/lit VOCs (ready for use product).

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## STORAGE

Store in dry and cool storage conditions at temperatures 5°C - 30°C. 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

5Kg, 18kg

PACKAGING	CODE	BARCODE
5kg	5163	5204094051633
18kg	05024	5204094050209

## HEALTH AND SAFETY INFORMATION

**P101:** If medical advice is needed, have product container or label at hand **P102:** Keep out of reach of children **P103:** Read label before use **P501:** Dispose of the contents / containers in accordance with the current legislation on waste treatment

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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