

## **DATA SHEET**

### **„ISOELAST“ – LIQUID POLYMER-BITUMINOUS WATERPROOFING**

"ISOELAST" is one component, water-based polymer-bituminous dispersion, with non-organic emulsifier, fibres and fillers. Harmless to humans and the environment. Quick drying: 4-8 hours.

Non-flammable.

#### **Applications**

- Waterproofing of foundations and underground parts of buildings

#### **Technical Data**

- Appearance: Black liquid.
- Chemical basis: water solution of bitumen
- Weight: 1,0 - 1,05 kg/l
- Dry matter: ≥ 50%
- pH: 6.0 to 8.0
- Drying time: 4-8 hours (at 23°C and humidity 50%)
- Adhesion to concrete: ≥ 2.0 N/mm<sup>2</sup>
- Heat-resistance: 90°C
- Cold flexibility at 90° angle: -5°C
- CE certified in accordance with **EN 15814**

#### **Manner of use**

##### PREPARATION OF THE SURFACE

The surface, over which "ISOELAST" will be layed, has to be well cleaned and dry. Do a preliminary repair of the unstuck seams, joints or cracks with more advanced stage of damages, through application of "ISOELAST" and reinforcing material – polyester veil (non-woven polyester, 65 gr/m<sup>2</sup>).

## EXECUTION OF THE INSULATION

1. With a brush, apply over the whole surface primer “Ecogrund-Isomax” (consumption 0.300 kg/m<sup>2</sup>). Wait for the full drying of about 30 min.
2. Spread a layer of "ISOELAST" and put the reinforcing polyester veil or glass-fiber net tightly, stretch it without leaving any wrinkles and spread another layer of "ISOELAST". Wait for the full drying. About 4-8 hours.
3. After the first layer has dried completely, apply consequently two even layers of ISOELAST, using a brush.

For roof applications, for increased durability and aesthetics apply finishing layer of coloured ISOELAST – red, green or grey (consumption 0.250 kg/m<sup>2</sup>).

\* Protect from rain and freezing up to the drying of the coating!

\*\* The thickness of each layer "ISOELAST" should be about 1,5 mm.

### **Storage**

Store in a dry place and closed at temperatures above +5°C. Shelf life in original, unopened packages - at least 24 months from date of manufacture.

### **Consumption norms:**

- Flat roofs – 3.5 kg/m<sup>2</sup>
- Underground waterproofing – 4.0 kg/m<sup>2</sup>
- Waterproofing of “green roofs” – 5.0 kg/m<sup>2</sup>
- Sloped roofs, sheet metal, bitumen shingles – 3.0 kg/m<sup>2</sup>

### **Packaging:**

- Plastic buckets of 10 kg and 20 kg
- Euro-pallets: 24 pcs. x 20 kg; 36 pcs. x 10 kg