



# Bituplast

Bituminous  
elastomer  
waterproofing  
emulsion

Barrel  
220kg

18kg

5kg

## General description

BITUPLAST is a mixture of an anionic base elastomer bitumen emulsion with mineral stabilizers. The BITUPLAST membrane formed, when dried up, exhibits good elastic properties and very good adherence abilities on every structural surface. The uniform membrane has strong resistance to low concentration acids and bases, is used friendly and extremely effective on covering the capillary cracks on surfaces.

## Applications

BITUPLAST is used for:

- Waterproofing and protection on concrete surfaces (terraces, supporting walls, foundations).
- Terrace pre-coating (primer).
- Protection of thermo-insulations (vapor barrier).
- Rejuvenation of older asphalt based insulating layers.

Compatible with polystyrene, polyurethane, concrete, light concrete, bricks, asbestos, cement products, metallic surfaces.

## Application method

The application surface must be free of dust, grease, oil or other waste materials. It is applied with the use of a bristle brush or a spray pistol, in at least two layers depending on the desirable outcome. Each layer should be applied vertical to the previous one, which must be already adequately dried up. Addition of reinforcement (fiberglass) between layers, considerably increases the waterproofing ability. BITUPLAST is not used in temperatures  $< +5^{\circ}\text{C}$ . When it is applied on surfaces exposed to sunlight, bitumen aluminum paint BITUAL must be applied prior to use of BITUPLAST. If it used as pre-coating (primer) can be diluted with water up to 50%. Tools can be cleaned with water only immediately after use. When dried up, can be removed with the use of gasoline.

## Consumption

Consumption depends on the porosity and the texture of application surface. Recommended quantities per use are: • Concrete surfaces:  $1,5 \text{ kg/m}^2$ .

- Waterproofing on terraces:  $2,5 \text{ kg/m}^2$ .
- Placement of thermal insulating blocks:  $0,5 \text{ kg/m}^2$ .
- Protection of thermo-insulations (vapor barrier):  $0,5 \text{ kg/m}^2$ .

## Packaging - Storage

- In 5 lt (5 kgs) plastic containers.
- In 20 lt (18 kgs) plastic containers.
- In metal barrels with a net weight of 220 kgs.

Stored in closed environment and at temp  $> +5^{\circ}\text{C}$  can last for a period of at least a year.

## Precautions

Avoid extended skin contact. In case of eye or skin contact, use plenty of water and seek medical advice. It must not be disposed directly to the environment. It must be handled according to the respective environmental regulations. It is harmless during transportation.

## Technical Specifications

Tests	Test Method	Limits
Density at $25^{\circ}\text{C}$ , $\text{gr/cm}^3$	ASTM D - 1475,	1,0 - 1,05
Evaporation residue, %	Evaporation	55 - 60
pH index	pH-meter	8 - 10
Elongation at break, %	ASTM D - 412	$> 200$
Cold flexibility	ASTM D - 522	$< - 8$
Heat stability	ASTM D - 2939	$> 120$
Resistance to water	ASTM D - 2939	No blistering or re-emulsification
Tensile strength	ASTM D - 412	$> 0,15$

