



17kg

5kg

## General description

BITUAL is a mixture of bitumen, organic solvents and fine-grained aluminum paste. It is used for reinforcement and protection of waterproofing materials as well as metallic surfaces. It creates a reflective membrane, which protects the waterproofing system from solar radiation and also reduces the heat effect on surface.

## Applications

BITUAL is used for:

- Reflective thermo-insulated painting of bitumen coating.
- Protection of old and new bitumen layers from solar radiation.
- Anti-corrosive protection of metallic structures.
- BITUAL is applied to waterproofing bitumen membranes with a quartz-sand finish or thin felt of polypropylene.
- Protection of old bitumen membranes with mineral granules or aluminum foil.

BITUAL is not applied to bitumen waterproofing membranes with PE film as upper surface due to bad adhesion properties. It is compatible with concrete, light concrete, polyurethane, bricks, asbestos-cement, metal. It is not compatible with polystyrene due to its solvent content.

## Application method

The application surface must be clean from moisture, dust, grease, oils, rust or other waste materials. The content of BITUAL container must be well before use. It is applied with the use of a bristle brush or spray pistol in at least two layers. Every layer is crossing vertically to the previous one. The application of a thick membrane layer should be avoided. It is recommended that BITUAL is applied at least 4 weeks after the application of bitumen varnishes (depending on weather conditions).

## Consumption

Consumption depends on the porosity and the texture of the application surface. Consumption per coating 0,1 kg/m<sup>2</sup>.

## Packaging - Storage

- In 5 lt (5 kgs) and 20 lt (17 kgs) metallic containers.

Must be stored in a closed environment and protected from frost or intense heat and can last for a period of at least a year.

## Precautions

BITUAL is very flammable. It is strongly recommended to be used far from ignition sources, open flame or intense heat sources and in well ventilated areas. Avoid inhalation of vapors as well as skin and eye contact. In case of eye or skin contact, use plenty of water and seek medical advice. Use the appropriate means of self-protection. In liquid form it pollutes water. It must not be disposed directly to the environment. It must be handled according to the respective environmental regulations.

## Technical Specifications

Tests	Test Method	Limits
Density at 25 °C, gr/cm <sup>3</sup>	ASTM D – 1475	0,90 – 0,95
Flash point, °C, min	ASTM D - 92	18 - 24
Water content, max, %	ASTM D – 2824 type I	0,3
Al content, min, %	ASTM D – 2824 type I	11
Non-volatile content, min, %	ASTM D – 2824 type I	40
Insoluble in CS <sub>2</sub> %, max	ASTM D – 2824 type I	40

