



ONE-COMPONENT, FLEXIBLE BITUMEN SEALANT IN SOLVENT SUITABLE FOR SEALING BITUMEN SHEATHS.



### PRODUCT DESCRIPTION

BIT 450 is a one-component sealant made from bitumen and polymers in solvent, characterized by its soft consistency which makes it easy to extrude and shape. BIT 450 may be used for filling joints, cracks and gaps of any size as, once hardened, it forms a plastic mass which is easily deformable. The bead of BIT 450 may be exposed to rain immediately after application, the product is not prone to leaching and does not dissolve in water. It also bonds to most substrates such as cementitious materials, wood, bricks, metals and many varieties of plastics. Thanks to the high bond and flexibility of the product, the bond is possible also in case of damp or wet substrate at the moment of application.

### FIELD OF APPLICATION

- Localized seals on old bitumen membranes.
- Overlaps on bitumen membranes.
- Fillets in bitumen membranes.
- Sealing air vents.
- Immediate seals in gaps between construction features on roofs and flat roofs.
- Collars around through pipe-work.
- Bonding bitumen tiles on roofs and flat roofs.

### SUITABLE SUBSTRATES

- Iron surface
- Aluminum surface
- Rust free metallic surface
- Ceramic
- Bricks
- Glass
- Concrete
- Wood.

### LIMITATIONS

- Do not use on surfaces with traces of oil, grease or stripping compound.
- Do not use at temperatures lower than +5°C.
- Not suitable for compressive stress, tensile stress or continuous or snap shear stresses.
- Not suitable for bonding polyurethane and polystyrene insulating panels or materials.
- Not suitable for pedestrian or vehicle traffic.

### APPLICATION PROCEDURE

#### *A) Preparation of substrate*

Surfaces to be sealed must be dry, de-greased, solid and free of dust, loose parts, oil, grease, wax, old paintwork and rust on metal surfaces. We recommend applying masking tape along the edges of the joint

in order to avoid the sealant seeping out of the joint and to get a more attractive finish.

### **B) Preparing the product**

Ready to be used.

### **C) Applying the product**

Insert the cartridge in an extrusion gun, cut off the tip of the cartridge, screw on the extrusion nozzle, trim the nozzle at an angle of 45° and according to the extruded width required and squeeze out the product in a continuous flow into the joint while trying to avoid air entering the joint. Immediately after applying the sealant, smooth over the surface before it hardens with a spatula wetted with soap and water. Remove the masking tape immediately after smoothing over the sealant

### **COVERAGE / CONSUMPTION**

The consumption of BIT 450 depends on the application. Typical consumption is between 100 and 120 ml/mL.

### **PACKAGING**

BIT 450 is supplied in:  
– 280ml cartridge.

### **SHELF LIFE-STORAGE**

Original sealed packaging of this product is guaranteed to be of first quality for 18 months if stored in a dry area and temperatures between +5°C and +35°C.

### **SAFETY INSTRUCTION**

BIT 450 is flammable. It is recommended to keep it away from naked flames and sparks, to avoid smoking, to prevent the build-up of electrostatic charges and to work in well ventilated areas. During use wear protective gloves and goggles and take the usual precautions for the handling of chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of water and seek medical attention. Furthermore, is hazardous for aquatic life, do not dispose of the pro-

duct in the environment. For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet. PRODUCT FOR PROFESSIONAL USE.

## **TECHNICAL DATA**

Product identity	
Consistency	thixotropic paste
Color	Black
Density (kg/m <sup>3</sup> )	1400
Viscosity (mPa.s)	1,300,000
Dry solids content (%)	90
Application data (at +23°C and 50% R.H.)	
Dilution	Ready to used
Skin formation time	20 minutes
Polymerization time	5mm / 24 hours
Service temperature range	-40°C to +100°C
Application temperature	+5°C to +35°C
Consumption	100-120 ml/mL
Elongation	250%
Tensile strength	0.9 N/mm <sup>2</sup>
Tear strength	5.5 kN / m
Hardness Shore A	22
Module of elasticity at 100% elongation	0.5
Water resistance	excellent
Atmospheric agent resistance	excellent



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