

CETBIT 300

WATERPROOFING MEMBRANE SELF-ADHESIVE



CETBIT 300 is a self-adhesive waterproofing membrane consisting of a 1,4 mm layer of rubberised bitumen, firmly bonded to a 0,1 mm high-density laminated polyethylene protective film layer. (HDPE). These two components combined offer a highly effective waterproofing barrier, in a thickness controlled during production to ensure uniform applications. The HDPE film provides dimensional stability to the membrane and also ensures a uniform reaction to both longitudinal and transverse elongation.

The rubberised bitumen is covered with a protective silicone paper that must be removed just before installation. The membrane is self-adhesive and applied cold. No special tools or adhesives are needed to form the layers. **CETBIT 300** requires complementary products for feed-throughs, corners and terminations. Only use specific accessories for laying Voltex and Ultraseal XP from Draco SpA.

FIELDS OF USE

CETBIT 300 is ideal for waterproofing structural concrete, masonry and wooden surfaces where the temperature does not exceed 40°C.

CETBIT 300 can be applied to foundation walls, tunnels, and underground works.

CETBIT 300 can also be used for waterproofing terraces, multi-storey car parks and balconies.

It should not be used in places where it is permanently exposed to sunlight.

It must not be used as a traffic surface

INSTRUCTIONS FOR USE

Apply **CETBIT 300** at temperatures between 5 and 45° C.

Application surfaces must be smooth, dry and free of dust, dirt, loose parts, release agents or any other foreign bodies.

Concrete surfaces must be allowed to harden for at least 7 days (14 in the case of lightweight structural concrete). If the concrete is placed over an unventilated metal plate, double the curing time. Use release agents that do not transfer. Harden the concrete with a transparent resin-based curing agent containing no oil, wax or pigments.

Properly prepare the substrate and all surfaces before applying the membranes. For horizontal surfaces, the membranes are applied starting from the lowest point. Apply the next sheets of the membrane overlapping the previously positioned ones by 10 cm. For vertical surfaces, the membrane is applied in sections with a length (height) of 2,4 m or less. On walls over 2,4 m high, the membrane may be applied in two or more sections with the upper section overlapping the lower section by at least 10 cm. For both vertical and horizontal applications unroll the entire membrane as soon as possible to maximise adhesion. Carefully inspect the membrane and make any necessary repairs before covering it. Protect from site traffic and damage immediately after installation.

Please refer to the Cetbit 300 manual for full installation instructions, including installation details and substrate preparation.

Limitations

CETBIT 300 is not recommended in areas in which the membrane is permanently exposed to sunlight. Do not apply the membrane to damp or frozen surfaces. **CETBIT 300** is not recommended for lining tanks or lakes except in the case of applications confined between two concrete slabs. Do not install on fresh coal tar products or sealants that contain polysulphides. The **CETBIT 300** membrane is not intended for primary waterproofing of expansion joints.

PACKS

CETBIT 300 is supplied in rolls 1m wide and 20m long. Each roll is individually packaged in a sturdy corrugated cardboard box. The pallet contains 20 rolls. Do not stack two pallets.

PERFORMANCE CHARACTERISTICS

PROPERTIES	ANALYSIS METHOD	STANDARD VALUE
THICKNESS	EN 1849-1	1,5 mm
TENSILE STRENGTH	EN 12311-1	Long. 215 N/50 mm Trans. 220 N/50 mm
ELONGATION AT BREAKING	EN 12311-1	Long. 324% Trans. 238%
IMPACT RESISTANCE	EN 12691	Met. A 500 mm Met. B 1000 mm
RESISTANCE TO STATIC LOAD	EN 12730	Met. A 10 kg Met. B 15 kg
TEAR RESISTANCE	EN 12310-1	Long. 125 N Trans. 65 N
WATER PERMEABILITY	EN 1928	Waterproof (≥ 60 kPa)
WATER VAPOUR TRANSMISSION	EN 1931	90000 μ
WATER ABSORPTION	ASTM D 570	0,09%
HYDROSTATIC TEST	DIN 52123/DIN 16935	> 6 bars (24 hours) / no seepage at 3 bars for 1 hour
PERMEABILITY TO RADON GAS	SP Swedish National Testing & Research Institute	5.7×10^{-12} m ² /s
PERMEABILITY TO METHANE GAS	CSI Method	< 5 cc/m ² x 24h x atm
APPLICATION TEMPERATURE	-	+5°C / +45°C
OPERATING TEMPERATURE	-	-40°C / +80°C

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