

# CETBIT 300

## SHEET MEMBRANE WATERPROOFING

### DESCRIPTION

CETBIT 300 is a self-adhering waterproofing membrane consisting of 1.4 mm of rubberized bitumen integrally bonded to a 0.1 mm cross-laminated HDPE protective film. These two components combine to offer an extremely effective waterproofing barrier with a factory controlled thickness to ensure uniform application.

The cross-laminated HDPE film provides dimensional stability to the membrane plus ensures uniform reaction to elongation stresses in both longitudinal and transverse directions.

CETBIT 300 is supplied in 1.0 m wide by 20.0 m long rolls. The rubberized bitumen is covered with a siliconized release paper which is removed immediately prior to installation. The membrane is self-adhering and cold-applied. No special equipment or adhesives are necessary to form laps.

CETBIT 300 requires accessory products for surface conditioning and detailing, such as penetrations, corners, and terminations. Use only accessory products supplied by the manufacturer.

### APPLICATIONS

CETBIT 300 is ideal for waterproofing structural concrete, masonry and wood surfaces where the inservice temperatures will not exceed 40°C. CETBIT 300 can be applied to foundation walls, tunnels, and earth sheltered structures. It also is used in split-slab construction, both above and below ground, such as plaza areas, balconies and parking decks. Interior uses include mechanical rooms, kitchens, bathrooms, and laboratories.

CETBIT 300 should not be used where it will be permanently exposed to sunlight. Do not use CETBIT 300 as a traffic wearing surface.

### INSTALLATION

CETBIT 300 waterproofing membrane should be applied when ambient and surface temperatures are +5°C and above up to +45°C.

Surfaces to receive the membrane must be smooth, dry and free of dirt, dust, loose aggregate, form release agents or other foreign material. Concrete surfaces must be cured for a minimum of 7 days (14 days for lightweight structural concrete). If concrete is placed over non-vented metal pan deck, double the curing time. Use form release agents which will not transfer. Cure concrete with clear, resin-based curing compound containing no oil, wax or pigment.

Properly prepare substrate and prime all surfaces to receive membrane with MAXBIT GR PRIMER before applying membrane. For horizontal surfaces, the membrane is applied to primed surface starting at the low point. Apply successive sheets of membrane overlapping preceding ones by 100 mm. For vertical surfaces, the membrane is applied in sections of 2.4 m length or less. On walls over 2.4 m high, the membrane can be applied in two or more sections with the upper section overlapping the lower section a minimum 100 mm. For both horizontal and vertical applications, roll all of the membrane as soon as possible to maximize adhesion. Inspect the membrane thoroughly and make any necessary repairs prior to covering. Protect from construction traffic and damage promptly after installation.

For complete application instructions, including detail treatments and substrate preparation, refer to the CETBIT 300 Product Manual.

### LIMITATIONS

CETBIT 300 is not recommended in areas where the membrane will be subject to permanent exposure to sunlight. Do not apply primer or membrane to damp, frosty or frozen surfaces. CETBIT 300 is not recommended for use as a pond or tank liner except with "between slab" applications. Do not install over fresh coal tar products or sealants containing polysulfides. CETBIT 300 membrane is not intended to provide the primary waterproofing for expansion joints.

### PACKAGING

Each roll of CETBIT 300 is individually packaged in a strong corrugated cardboard box. Pallet contains 20 rolls. Do not double stack pallets.

Roll Width	1.0 m
Roll Length	20.0 m
Roll Area	20.0 sqm
Roll Weight	32.0 kg

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TECHNICAL DATA		
TYPICAL PROPERTIES	TEST METHOD	TYPICAL 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 Break	EN 12311-1	Long. 324.0%   Trans. 238.0%
Impact Resistance	EN 12691	Met. A 500 mm   Met. B 1000 mm
Static Load Resistance	EN 12730	Met. A 10 Kg   Met. B 15 Kg
Tear Resistance	EN 12310-1	Long. 125 N   Trans. 65 N
Impermeability	EN 1928	Pass (≥ 60 Kpa)
Vapour Transmission Rate	EN 1931	90000 μ
Water Absorption	ASTM D 570	0.09%
Hydrostatic Test	DIN 52123/DIN 16935	> 6 bar (24 hrs) / no leakage at 3 bars for 1 hr
Permeability to Radon Gas	SP Swedish National Testing & Research Institute	$5.7 \times 10^{-12} \text{ m}^2/\text{s}$
Permeability to Methane Gas	CSI Method	< 5 cc/m <sup>2</sup> x 24h x atm
Application Temperature	-	+5°C / +45°C
Service Temperature	-	-40°C / +80°C



GB08/74039  
EN 13707:2004/A2:2009  
EN 13969:2004/A1:2006

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IMPORTANT: The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most up-to-date information, please contact CETCO sales team. CETCO accepts no responsibility for the results obtained through application of this product. CETCO reserves the right to update information without notice.



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