

## weberdry BITUMEN coat

### HIGH PERFORMANCE ELASTIC BITUMEN WATERPROOFING

#### USES

- Underground Structures
- Pile caps
- Ground beams
- Retaining walls
- Lift pits
- RC pipes
- Box culverts
- Man holes



#### DESCRIPTION

**weberdry BITUMEN coat** is a single component, bitumen base waterproofing compound. It is designed for reinforced concrete structures such as retaining walls, lift pits, pile caps, ground beams, etc. against penetration of salty ground water and acidic soils

#### FEATURES AND BENEFITS

- Eco-friendly with a low VOC
- Ultra-high bonding/elastic properties designed for superior crack-bridging properties
- Easy application to minimize on site application errors
- Concrete protection against acidic soils/salty ground waters

#### PREPARATION

- New concrete should be cured for at least 28 days and should have a pull off strength  $\geq 1.5 \text{ N/mm}^2$ . Cement or mineral based substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and to achieve an open textured surface
- Loose friable material and weak concrete must be completely removed and surface defects such as blowholes and voids must be fully exposed
- Protrusions of more than 3mm must be removed. All intersections of horizontal and vertical surfaces should be profiled with a mortar fillet of 25x25 mm.

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### CONSTRAINTS

- Do not apply on substrates with rising moisture. Always apply during falling ambient and substrate temperatures. If applied during rising temperatures pin holes may occur from rising air
- Ensure that temperature does not drop below 8°C and that relative humidity does not exceed 80% until the membrane has fully cured
- Ensure that the coating is thoroughly dry and the surface is without pinholes before applying any top coat
- Do not allow temporary ponding to remain between coats on any horizontal surfaces or until the final coating has totally cured. Brush or mop any surface water away during this period
- Do not apply directly onto insulation boards
- Protect the waterproofing for 48 hours after the final coat. Do not expose the waterproof coating for a prolonged period of time after application
- It is highly recommended to protect the wall waterproofing membrane with polystyrene or protection board before back filling
- Minimum joint over lapping is 100mm

### APPLICATION

Prior the application of **weberdry BITUMEN coat**, all corners or possible weak areas must be treated with self-adhesive waterproofing joint tape, fibre-glass reinforcement or non-woven polyester fleece

Note :

Please note, always begin with details prior starting with waterproofing the horizontal surface. For details follow step as proposed by our respective staff. As a rule of thumb, the previous layers must be cured & tack-free before the application of the consecutive layers

- All joints should be reinforced with fibre-glass tape or non-woven polyester fleece
- Waiting time between layers are based on 20 to 30°C with 50% relative humidity

### CURING

The waterproofing must not become wet while it is still curing

### PACKING

18 kg plastic pails

### SHELF LIFE / STORAGE

At least 12 months, when stored in dry conditions of normal ambient temperature between 5°C to 35°C



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### TECHNICAL INFORMATION

Properties	Test	Typical Values
Color, Wet		Brown
Color, Dry		Black
Appearance		Thick, smooth cream
Solid Content		>50%
Specific Gravity		1 k.g./L
Surface Drying Time		4-6 hours depending on temperature and humidity
Coverage		0.60-0.75 k.g./m <sup>2</sup> per coat
Flash point		Water-based, non-flammable
Heat resistance, 100oC		No flow, sag or blistering
Water Vapour Transmission	ASTM E96	5 g/m <sup>2</sup> /45 hours
Chemical and water resistance		Resistant to water, alcohol, most salt solution, spalling and sulphate attack, some dilute acids and alkalis. Not resistant to oil, solvents and some detergent solutions

Typical values may represent average values from sample tested