SUPER LASTIC S200

High performance, elastic bitumen waterproofing

One-component, bitumen base waterproofing compound designed for reinforced concrete structures such as retaining walls, lift pits, pile caps, ground beams, etc. against penetration of salty ground water & soil acids.

FEATURES/BENEFITS

- Eco-friendly with low VOC / Non-toxic formulation
- Ultra-high bond/ elastic properties designed for superior crack-bridging properties
- Easy application to minimize site application errors
- Concrete protection against soil acids/salty ground waters

APPLICATION AREAS

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

PRODUCT DATA

Appearances / Colors	Black
Packaging	20kg Plastic pails
Storage	12 months from date of production
Storage Condition	Dry conditions at temperature between 5-35 oC

TECHNICAL DATA

Origin	Bitumen
Density	~1.0kg/l at +23°C
Solid Content	~ 50% by volume
Service Temperature	-5°C to +40°C

APPLICATION CONDITIONS

Substrate temperature	8 – 35 Degree Celsius
Ambient Temperature	8 – 35 Degree Celsius
Substrate	No standing water/condensation on the substrate
Relative Air Humidity	Max. 80%
Dew point	Surface temperature must be + 3 Degree Celsius above dew point

OVER-COATING TIME

Final cure	2 – 4 days (depending on thickness/curing conditions)
Over coating time	6 – 12 hours
Tack free	30 – 60 minutes at 25oC / 50% RH
Dew point	Surface temperature must be +3 Degree Celsius above dew point

**Above values are based on 25°C & 50% RH*

SYSTEM BUILD UP

Normal exposure condition

Priming coat	0.35kg/m^2 (Diluted with 10% water)
1st coat	0.6-0.8 kg/m^2
2nd coat	0.6-0.8 kg/m^2

Severe exposure condition

Priming coat	0.35kg/m^2 (Diluted with 10% water)
1st coat	0.6-0.8 kg/m^2
Reinforce layer	SUPER FIBRE R100
2nd coat	0.6-0.8 kg/m^2
3rd coat	0.6-0.8 kg/m^2

SUBSTRATE

New concrete should be cured for at least 28 days and should have a Pull off strength ≥ 1.5 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. Protrusion more than 3mm must be remove. All intersections of horizontal and vertical surfaces should be profiled with a mortar fillet of 25 x 25 mm.

APPLICATION

Prior the application of Super Lastic S200, all corners or possible weak areas must be treated with Super Fibre R100.

TOOLS

Brush: With thick hair brush /Roller: With a solvent resistant, short-piled lamb skin roller / Airless Spray Machine: Used only for the standard systems. For spray applied application, minimum 2 layers with crisscross direction application. For best performance, the pump should have the following parameter: min. pressure: 220 bar / min. output: 5.1 l/min / min. ∅ nozzle: 0.83mm (0.033 inch)

NOTE

- Do not apply on substrates with rising moisture. Always apply during falling ambient and substrate temperature. 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 surface water away during this time.
- Do not apply directly on insulation boards.
- Protect the waterproofing 48hours after the final coat. Do not expose waterproofing for pro-long period of time.
- It is highly recommended to protect the waterproofing membrane with polystyrene or protection board before back filling.
- Minimum joint over lapping is 100mm.

HEALTH & SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTE

The information, and, in particular, the recommendations relating to the application and end-use of these products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance to the manufacturer recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. The manufacturer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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