webercote beton (Lebanon)

Protective anti-carbonation coating for concrete

Façade and Thermal Insulation

Leb	Egypt	Jordan	UAE	Qatar	Kuwait	KSA	Oman
20kg	-	-	-	-	-	-	-

PRODUCT

webercote beton is an anti-carbonation protective coating for exposed concrete and resistant to chloride penetration with good permeability to water vapor diffusion.
The elastometric nature of **webercote beton** ensures good crack bridging properties.

TYPICAL USES

Where new and existing concrete and masonry structures require protection from carbon dioxide, sulphur dioxide, oxides of nitrogen, chlorides, sulphates and UV radiation.
Examples: car parks, commercial and industrial buildings, bridges, subways, beach resorts, high rise flats, ec.

ADVANTAGES

- Easy to clean
- Excellent weathering resistance
- Single pack and easy to apply
- Protects substrates from carbonation
- Elastic nature
- Allows structure to «breathe»
- Water based and non-toxic

CHARACTERISTICS	
Colours	5
Appearance	matt finish
Solid content	50% ±2

The values stated are based on internal laboratory tests, therefore they are subject to normal manufacturing tolerances.

APPLICATION SPECIFICATION

SUBSTRATE PREPARATION

In order to obtain the protective of **webercote beton** a minimum rate of 1 coat primer and 2 finish coats diluted as below is required. Overcoating times should be observed.

Primer coat	**webercote beton** diluted at 100%
First coat	**webercote beton** diluted at 40%
Second coat	**webercote beton** diluted at 20%
Time for application between 2 coats	12 hours

These times are calculated for 22°C. Lower temperatures require more time, higher temperatures less time

CONSUMPTION

75m² in 2 coats per 20kg pails at WFT of 300 microns.
If higher thickness is required a third coat could be applied.

webercote beton	RESULTS	STANDARDS
Water vapor transmission	V2	ISO 7783:2018
Pull off strength	3N/mm^2	ASTM D 4541
Carbon dioxide diffusion coefficient of the coating	0.857x10^{-7}	BS EN 1062-6:2002 (Method A)
Reduction in water absorption	90%	ASTM C642-21
Chloride ion diffusion at 35 days	NIL	BS EN 23270
Crack bridging capacity	1.7mm	BS EN 1062-7:2024
Tensile strength	3.5MPa	ASTM D 412-16(2021)
Elongation at break	225%	ASTM D 412-16(2021)
Tear strength	18N/mm	ASTM D624-20
Weathering test (500 hours)	Pass	ASTM G154-23

STORAGE

Validity of performance specifications: 12 months in intact package protected from excessively high or low temperatures and direct sunshine.

RECOMMENDATIONS

- Ideal application temperature: +5°C to +30°C, with max. R.H. of 85%
- Do not apply on wet or frozen surfaces, or where there is a risk of freezing within the next 24 hours
- Avoid application in full sunlight or in a strong wind
- For best results, apply with a brush or roller
- On large surfaces, it is good practice to interrupt application around joints and rain channels
- Protect sealed product from freezing and extreme heat during storage
- Do not leave buckets exposed to sunlight before use

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

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