



webercote beton plus

Protective anti-carbonation
coating for concrete

*Façade and
Thermal Insulation*

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

PRODUCT

webercote beton plus is a high performance architectural anti-carbonation flexible coating based on stabilized pure acrylic dispersion with excellent external weathering & UV resistance in variable weather conditions, coastal & urban polluted environments, and inside car parks and buildings where a high level of washability and stain resistance is required.

TYPICAL USES

On exterior and interior new & previously coated surfaces of concrete, masonry, fairfaced concrete & cement plaster. Concrete structures, facades, walls & ceilings of car parks, over & under passes, bridges, tunnels & places subjected to effects of carbonation, water & weather etc...

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	6
Appearance	Eggshell finish (lustreless)
Density	1.33 kg/LT ±0.05
Viscosity (brookshield viscometer)	2000 ±500 cP @ 3 RPM
pH value	9
Solid content	>55 %

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 plus** 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 plus** diluted at 100%

First coat and second coat can be applied without dilution. Depending on the required thickness.

If needed it can be diluted from 5 to 10 %.

TEST	RESULTS	STANDARDS
Pull off strength	> 2 Mpa	ASTM D 4541
Diffusion equivalent air layer thickness, m class C1	> 175	Taywood method
Diffusion equivalent thickness in concrete, mm, class C1	>500 mm	Taywood method
Chloride diffusion coefficient	Nil	Taywood method
Crack bridging capacity	> 2mm	BS EN 1062
Tensile strength	> 5 Mpa	ASTM D 412
Elongation at break	> 225%	ASTM D 412
Water vapor transmission	Sd Value approx. 1	ISO 7783
% Reduction in RCP	> 92	ASTM C1202
Solid content	>55 %	
Tear Strength	> 15 Mpa	ASTM D 624
Water absorption	< 1%	ASTM C 642
Reduction in water absorption	> 82%	ASTM C 642
Abrasion resistance	> 25 mg/1000 cycle	ASTM D 4060
Weathering test, 500 hrs	Pass	ASTM G154
Freeze/ thaw cycle test	Pass	ASTM C672

TEST	METHOD	OBSERVATION	RESULT
5% Ammonium Hydroxide	ASTM D13080	No sign of cracking, blistering disintegration and color change were observed	Resistant
5% Sodium Hydroxide			Resistant
5% Ferric Chloride			Resistant
10% Sodium Chloride			Resistant
5% Zinc Sulphate			Resistant
Sea Water			Resistant
10% Sulfuric Acid			Resistant
5% Acetic Acid			Resistant
5% Hydrochloric Acid			Resistant
1% Nitric Acid Method ASTM			Resistant

CONSUMPTION

Consumption: 30-40 sqm in 1 coat per 20 kg pail ; may vary depending on application conditions.

WFT: 300-350 micron per coat.

DFT: 200 micron per coat. If higher thickness is required a third coat could be applied.

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

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