



Coat AWB

Water Based Protective Cum Anti Carbonation Coating

Pack Size
20Kg

TDS
Technical Data Sheet



Description

CLI Coat AWB is a high-build elastomeric, micro-porous coating designed for long-term protection and decoration of concrete and masonry surfaces. It forms an extremely tough coating that allows the substrate to breathe. CLI Coat AWB may provide a textured finish.

Advantages

Water-based, non-toxic, and environment-friendly green product High-build elastomeric, micro-porous coating Excellent resistance to carbon dioxide, air-borne, and water-borne chlorides Outstanding crack-bridging properties and weathering resistance Protective and decorative coating that allows the structure to breathe
Application Bridge abutments External concrete surfaces of storage tanks and masonry surfaces Multistoried buildings and villas High-external tough UV-resistant coating such as on pipe protection enamel and concrete cladding Subways

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Application Methodology

Remove dust, flakes, oil, grease, or other loose foreign particles using sandblasting, an iron brush, or compressed air. Remove oil, grease, chemical contaminants, and extraneous matter. Ensure that the substrate is sound, clean, and free from dust and all loose or flaking material. Fill all holes and deep cracks with a suitable filler. Ensure that no trace of mold or algae remains and that the area is treated with a suitable antifungicide or bleach solution. For new cementitious substrates, ensure that the substrate is fully cured for at least 14 days. Stir drums thoroughly for uniformity. For best results, use a variable speed drill mixer with a spiral-type blade at the bottom of the stirrer rod at a speed of 400-600 rpm. Dilute CLI Coat AWB by adding 10% clean water by volume and prime old, absorbent, and weathered surfaces. On non-porous surfaces, apply CLI Coat AWB undiluted. Prime all metal substrates with CLI Prime Zn 40. Apply CLI Coat AWB evenly at temperatures between 3°C and 30°C with a roller, brush, or airless spray. Use a two-coat system on dark, absorbent, and heavily textured surfaces and when full carbonation protection is required. Porous, rough, and irregular surfaces will reduce coverage rates.

Characteristics

pH:	9-11
Thinning Agent:	Water
CO2 Resistance Equivalent Air Layer:	123m @ 160 μ W thickness
Water Vapor Permeability (24 hrs):	0.02 mg
Resistance to Weather:	Very Good
Surface Structure	Smooth
Binders:	Pure Acrylate
Density:	1.35 g/cm ³ approx.
Water Absorption (DIN 52617):	w < 0.2 kg/m ² ·hr
Theoretical Coverage:	6-7 m ² /L/coat
CO2 Diffusion Coefficient:	6.4 x 10 ⁵

Cleaning & Maintenance

Clean all tools immediately after use with water.

Health & Safety

Use a mask, nose cover, and hand gloves during application. Clean hands with soap and water after application. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of clean water, then cleanse with soap and lukewarm water and seek medical advice. Do not use solvent to clean the contacted area. Prevent swallowing. In case of swallowing, seek medical attention immediately. Do not induce vomiting.

Packing

Available in 10 L and 20 L drums.

Storage and Shelf Life

Store in a cool, dry place at temperatures between 5°C and 30°C, under shade, away from heat. The shelf life of the product is 1 year in original unopened sealed condition.

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20Kgs



Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

The information and recommendations regarding the application and end-use of Carbolink products are provided in good faith based on our current knowledge and experience. Due to variations in materials, substrates, and actual site conditions, no warranty of merchantability or fitness for a specific purpose can be inferred. The user must determine the product's suitability for the intended application. Carbolink reserves the right to change the properties of its products. All proprietary rights of third parties must be observed. Orders are subject to our current terms of sale and delivery. Always refer to the most recent local Product Data Sheet, available upon request.