

ReArm Coat AntiCarb

(Formerly known as MYK COAT ANTI-CARB)

Anti-Carbonation Coating



Product Description

ReArm Coat Anticarb is a single component, flexible, elastomeric coating based on water based acrylic polymer. It has been formulated to provide long term protective and decorative properties to concrete and masonry surfaces. The micro-porous structure of the Coating acts as a barrier to the ingress of Chlorides and Carbon Dioxide and other acid gases but allows the passage of water vapor from the substrate. The flexible nature of ReArm Coat AntiCarb ensures good crack bridging properties in case of structural movement.

Uses

New and existing concrete and masonry structures car parks, commercial and industrial buildings, bridges, subways, High Rise Buildings / Dams/Flyovers etc.

Features and Benefits

- Single pack and easy to apply
- Water based and non-toxic
- Excellent weathering/UV Resistance
- Protects substrates from Carbonation
- Highly resistant to freeze/thaw effect
- Flexible, imparts crack bridging properties
- Allows structure to "breathe"

Application Methodology

Step no 1: Surface Preparation:

Substrates shall be clean, sound, and free from contaminants such as oil, grease, moss, algae, dust and any existing loose or flaking paintwork. Concrete surfaces shall also be fully cured and free from laitance, mould release oils and curing compounds. Mould or algae shall be removed with a proprietary fungicidal wash. High pressure water jetting may be deemed necessary for heavily contaminated surfaces. Blow holes or pitting on the surface shall be filled using Acrylic putty/ ReArm Crack fill paste.

Step no 2: Priming:

AquaArm Prime CS Priming is recommended on concrete substrate before applying ReArm Coat AntiCarb.

Primer Consumption:

AquaArm Prime CS applied at approx. 100-150 g/m² for Concrete substrate (consumption of primer may go up depending upon smoothness, porosity and absorption).

Step no 3: Application:

Apply ReArm Coat AntiCarb Coating by brush, roller or airless spray, at a nominal rate of 250 gm/m² after primer is touch dry (around 2 hrs) and allow it to dry.

A second coat may be subsequently applied at the same rate.

NOTE: This should achieve minimum 200 microns dry film thickness necessary for anti-carbonation properties. In applications where crack bridging properties are particularly important, a minimum DFT of over 400 microns is recommended.

Equipment Cleaning

Clean all equipment, immediately after use, with water or a mixture of water and Tool clean.



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TECHNICAL DATA SHEET

Drying/Curing:

ReArm Coat AntiCarb will be touch dry in 1/2 to 3 hours of drying time and through dry after 16 hours (dependent on ventilation and atmospheric temp, higher the temp lower the drying time, lower the temp higher the drying time).

Standard: ReArm Coat AntiCarb complies to EN 1504-2 for CO₂ permeability, when Tested as per EN1062-6, Method A.

Technical Data

Properties	Specification
Density	1.27+/- 0.03
Solid Content	53% +/- 2%
Finish	Semi-matt
Colors	White colour film
Wet film thickness	Typically, 195 microns per Coat(Equivalent dry film thickness approx 100 microns per Coat)
Film Touch dry	< 3 hours @ 30°C
Film full cure	7 days @ 30°C
Application rate	Minimum 500 gm/m ² /in two Coat
Over Coating interval	Minimum 16 hours @ 30°C
Water Vapor Transmission Rate:	21.8g/Sqm/day
Dirt pickup resistance	6, * (scale 0=worst, 10=Nil)
Tensile strength (@ 2mm thickness)	>1.0 N / mm ²
Pullout Bond strength * (*on primed concrete substrate)	>1.0 N / mm ²
Elongation at break (in % @ 2mm thickness) =	>300%

Property	unit	film 1	film 2	film 3	film 4
Material consumption per sq meter	gm/m ²	500	750	1000	1500
WFT in microns	micron	390	590	780	1170
DFT in microns	micron	200	300	400	600
Co2Sd (R)	M	>50	>100	>125	>250

Coverage

ReArm Coat Anticarb may be applied at a nominal rate of 250gm/m²/Coat.

(Two Coats are recommended).
(500gm/m²/in two Coats).

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Packaging

5 kgs/22 kgs pail

Storage and Shelf Life

Store in dry conditions at temperatures between 10°C and 25°C, and out of direct sunlight. Protect from frost. ReArm Coat Anticarb has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with the manufacturer's instructions.

Annotation

- A) ReArm Coat AntiCarb should not be applied at temperatures below 12 °C or if there is a risk of frost.
- B) Compatibility testing of ReArm Coat AntiCarb with existing paint or Coatings must be carried out prior to over Coating.

Health & Safety

ReArm Coat AntiCarb is non-toxic both during and after use. Any splashes should be removed from the skin using soap and water. Please refer to the Material Safety Data Sheet for additional information.

Product Categories Available



Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability 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 & purpose. MYK Arment 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.

MYK Arment Private Limited
(Formerly Known as MYK Schomburg India Pvt.Ltd)
8-2-703/A, 3rd Floor, Leela Gopal Towers, Road No. 12, Banjara Hills, Hyderabad -500 034
Tel: +91 40 6816 0001 | Email: myk@mykarment.com | www.mykarment.com