

## TECHNICAL DATA SHEET

# SUPERCOTE 520

## ACRYLIC EMULSION ANTI CARBONATION

### Product Description:

A modified Acrylic dispersion formulated to confer 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 elastomeric nature of Anti-Carb ensures good crack bridging properties, in case of structural movement.

This Product comply with BS EN 1062-6:2002

### Features:

It has excellent anti-carbonation property and provides excellent resistance to moisture and salts. It also has long lasting corrosion protection to reinforce steel in concrete. Its elastomeric nature prevents the cracking.

### Recommended use & Substrate:

Car parks, commercial and industrial buildings, bridges, subways, high rise flats, roofing.

### Product Data:

Finish	: Silk and semi-gloss
Color	: White & Colors
Specific gravity	: $1.30 \pm 0.10$
Volume Solids	: $45 \pm 2\%$ theoretical
Recommended DFT	: 150-200 microns (WFT 300-400 microns)
(Minimum and maximum spreading rate depends on dry film thickness applied, surface porosity, temperature and the wastage during the application)	
Theoretical Coverage	: $2.25 \text{ m}^2/\text{l}$ @ 200 microns DFT
Drying Time	: Related to weather condition, temperature, air circulation, Film thickness, number of coats applied and the relative humidity.
Touch dry@30°C	: 45 - 60 minutes
Hard dry @30°C	: 6-8 hours
Over coating Interval	: 4 hours Minimum
V.O.C.	: < 30 gm/l
Pack Size	: 18 & 3.6 liters
Shelf Life	: 24 months from the date of manufacturing
Tensile strength	: 3.7 MPa @ 20°C Carbon Dioxide Diffusion
Coefficient	: 965,000 Equivalent air thickness, R: >200m @300μ DFT
Water vapor transmission	: $140\text{g}/\text{m}^2/\text{day}$
Elongation at break	: > 400 % @ 20°C
Adhesion pull off test	: $1.90 \text{ N}/\text{mm}^2$
D CO <sub>2</sub> (cm <sup>2</sup> s <sup>-1</sup> )	: $3.85 \times 10^{-6}$

## **SUPERCOTE 520**

### **ACRYLIC EMULSION ANTI CARBONATION**

#### **Surface Preparation:**

All surfaces must be dry, clean, free of all grease, dirt, loose or powdery materials and efflorescence etc. Mold or mildew must be removed by washing with a chlorine bleach solution.

#### **Coating System:**

Primer	1 Coat	SUPERCOTE 102
Filler	2 Coats	SUPERCOTE 201
Topcoat	2 Coats	SUPERCOTE 520

#### **Condition during application:**

The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air.

#### **Thinning:**

Mix thoroughly and add maximum 20% by Volume of Clean Fresh Water depending upon surface porosity and method of application.

#### **Application Data:**

This product can be applied by Brush, Roller, Airless spray and Conventional Spray

#### **Health and Safety:**

Wear appropriate protection such as gloves, goggles, face mask, barrier creams  
Provide adequate ventilation  
Avoid eye or skin contact  
Close container after use

#### **Storage:**

The product must be stored in a dry, cool, well-ventilated area and away from source of heat and ignition, also must be kept tightly closed.

#### **Disclaimer:**

The information in this document is given to the best of KPC Paint's knowledge that based on laboratory testing and practical experience Products are often used under conditions beyond KPC's control and KPC Paints cannot guarantee anything but the quality of the product itself.

Date of issue 22.02.2021. Please note that this data sheet supersedes the previous version.