HAPPY WALL PAINTS
COLORING THE IMPOSSIBLE

ISO 9001 BUREAU VERITAS Certification

UKAS MANAGEMENT SYSTEMS

TECHNICAL DATASHEET

ANTI-CARBONATION

PRODUCT DESCRIPTION

Anti-carbonation is specially designed to reduce the diffusion rate of carbon dioxide into concrete and to provide high durability, chemical resistance and anti-cracking properties. It allows water vapour diffusion.

PRODUCT BENEFITS

1- Eco-friendly, Odorless & Non-flammable product
2- Ready to use, fast drying
3- Excellent adhesion to all surfaces
4- Damaged areas easily recoated and retreated
5- Dirt pickup resistance
6- Extremely durable
7- Outstanding weathering and alkali resistance
8- Permeable to water vapor diffusion
9- Excellent resistance to atmospheric pollutants such as CO2 diffusion

RECOMMENDED USES

This product can be used on exterior facades and concrete surfaces, masonry, brick, fiberboard and timber.

SURFACE PREPARATION

All surfaces should be clean, dry and free from oil, grease and loose materials. A thorough cleaning could be carried out; however, the finish must be applied after complete drying of the substrate.

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PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Physical State	Viscous Liquid
Color	Clear, White

Specific Gravity, ISO 2811	1.4 ±0.05 g/cm3
Viscosity, ISO 2884	6 - 8 poises

Drying Time, ASTM D5894	2- 4 hours per coat
Wet Film Thickness, ISO 2808	125 µm
Dry film Thickness, ISO 2808	60 µm
Recoat Time	4-6 hours
Coverage	15 m^2 /L

* Coverage depends on method of application, surface texture and porosity.

Adhesion, EN 1504-2	Excellent
Sag Resistance, ASTM D3730	Excellent
Leveling, ASTM D2801	Excellent

Scratching Resistance, ASTM D3003	Excellent

CO2 diffusion resistance	Excellent

Water Vapor Diffusion	Excellent

Chemical Properties

Solids by Weight	56 ± 2 %
Solids by Volume	40 ± 2 %

THINNING/ APPLYING

Apply the first coat with dilution up to 20-30% depending on the surface condition.

Thin the second coat up to 15-20% with clean water (for brush/roller and spray application). Thickness of paints depends on condition of surface.

Clean tools and equipment with water immediately after use.

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PACKING

In cylindrical tin containers of the following capacities:
- 1 US Quart = 0.95 L.
- 1 US gallon = 3.78 L.
- 1Pail (5 U.S.G.) = 20L

STORAGE

Avoid frost & excessive heat.

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.
All details about working with our products should be adapted to prevailing local conditions and materials used.

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