

HI-BOND

High performance structural coatings

HI-BOND ANTICARB

DESCRIPTION

Hi-bond Anticarb Smooth or Hi-bond Anticarb Textured are vinyl polymer based, high-build anti-carbonation coatings. Supplied as easy to use single component liquid which when cured provide strong, flexible coatings with either a smooth decorative finish, or a textured decorative finish.

USES

They are designed to provide an excellent anti-carbonation coating which protects concrete from attack by carbon dioxide, airborne chlorides, acid rain and weathering. They are weatherproof, cleanable, decorative and extremely durable.

These properties make them ideal for external or internal surfaces, ie Car Park coating, concrete repair and renders.

SURFACE PREPARATION

The efficiency of Hi-bond Anticarb is dependant on the thorough and correct preparation of the surface to which it is applied. All surfaces must be free of contamination by oil, grease and organic growths. It recommended that any existing coatings be removed. If this is not possible all loose and flaking material must be removed and a trial area applied to test the compatibility and adhesion.

When the surface is prepared all traces of degreasing agents or fungicides must be removed and the surface allowed to dry. At this stage any surface damage or stable cracks wider than hairline should be repaired using Hi-bond EM40 repair mortar.

On some porous, chalked or severely weathered surfaces it may be necessary to prime first using Hi-bond Anticarb thinned with a maximum 10% of water.

MIXING AND APPLICATION

Hi-bond Anticarb should be thoroughly stirred prior to application. All surfaces should be clean and dry, new concrete fully cured (28 days) and any repair materials fully cured. Application by either spraying, roller or brush. Always allow sufficient drying time between coats and regularly check the coverage rates being obtained. Never apply below 5oC or when temperature is likely to fall below this in the following 24 hours.

DRYING TIMES

Drying times are dependant on temperature, humidity and wind. The minimum drying time between coats is 4 hrs at 20oC, lower temperature will result in longer drying times. Do not apply if there is rain imminent or at high relative humidities.

COVERAGE RATE

Hi-bond Anticarb Smooth 5m² per Ltr

Hi-bond Anticarb Textured 3m² per Ltr

The recommended minimum dry film thickness being 200 microns to achieve an effective anti-carbonation coating. This is equivalent to 2 coats. The coverage rates will be affected by film thickness achieved and the porosity and texture of the substrate. All these factors must be taken into consideration when estimating quantities.

TYPICAL TEST DATA

SG S 1.460
T 1.110
Volume Solids Smooth 52.5%
Textured 65%
Dco2 Permeability at 120 microns
2.00 x 10⁻⁸ cm²/S
Water Vapour Permeability
μ value 7,377,493
Elongation at break 380%

STORAGE & PACKAGING

Store in sealed containers between 5 oC and 35 oC
Single pack system in 25 ltr containers.

CLEANING

Equipment and spillages can be cleaned with water when wet and Hi-solve when dry.

HEALTH AND SAFETY

See separate Health and Safety Data Sheet.

WARRANTY DISCLAIMER

The technical data herein has been compiled for your help and guidance based upon our experience. As we have no control over the use to which our information is put, no warranty, expressed or implied is intended or given and we cannot be held responsible for coverage, performance or any damage incurred.

Hi-bond Chemicals Ltd, Ince, Wigan, Lancs 01942 615800 DATA S/0531999
--