product data

Carboguard® 1340 Clear

Selection & Specification Data

Generic Type
Two-component epoxy polyamide.

Description
Carboguard 1340 Clear is a fast drying, clear penetrating primer/sealer for use on concrete substrates before topcoating.

Features
- Excellent penetrating and adhesion properties
- Used over concrete and cementicious fire protection materials to secure proper topcoat adhesion

Color
Clear

Topcoats
May be topcoated with most generic types of paints.

Dry Film Thickness
40 - 100 µm per coat, normally 50 µm.

Wet Film Thickness
140 - 360 µm per coat, normally 180 µm.

Solids Content
By volume: 28 ± 2%

Theoretical Coverage Rate
5,6 m^2/l at 50µm
Allow for loss in mixing and application.

Dry Temp. Resistance
Continuous: 80°C
Non-continuous: 110°C

Limitations
Not recommended for immersion service in strong acids, solvents or corrosive exposures without recommended topcoat.

May 2009 replaces April 2004

Substrates & Surface Preparation

General
Surface must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.

Steel
Abrasive blasting to min. Sa 2½ (ISO 8501-1). Alternatively, ultra high pressure water jetting to Nace No. 7 min. C Vis WJ-2. Max flash rust; C Vis WJ-2M.

Concrete
Concrete must be cured at least 28 days at 24ºC and 50% relative humidity or equivalent. Prepare surfaces in accordance with with ASTM D42582 Surface Cleaning of Concrete and ASTM D4259 Abrading Concrete. Voids in concrete may require surfacing.

Application Equipment

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Spray Application (General)
The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.

Airless Spray

Pump ratio:	30:1 (min.) *
GMP Output:	3.0 (min.)
Material Hose:	3/8" I.D. (min.)
Tip Size:	.013-.015"
Output PSI:	2000
Filter Size:	60 mesh

* Teflon packings are recommended and available from the pump manufacturer.

Brush & Roller (General)
For small areas and stripe coating. Multiple coats may be required to obtain desired appearance, and recommended dry film thickness.

Brush
Use a medium bristle brush.

Roller
Use a medium nap phenolic core roller.

Mixing & Thinning

Mixing Power mix separately, then add part B to Part A and power mix. DO NOT MIX PARTIAL KITS.

Ratio 2 : 1 (A to B) by volume

Thinning May be thinned up to 15% with Carboline Thinner #15.

Pot Life 24 hours at 25ºC and longer at lower temperatures.

Cleanup & Safety

Cleanup Use Carboline Thinner #2 or Acetone. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

Safety Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.

Ventilation When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used.

Caution This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with applicable regulations. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

Application Conditions

Condition	Material	Surface	Ambient	Humidity
Normal	15-30°C	15-30°C	15-30°C	30-85%
Minimum	10°C	10°C	4°C	0%
Maximum	30°C	65°C	50°C	85%

Industry standards are for substrate temperatures to be 3ºC above the dew point. Condensation due to substrate temperatures below the dew point can interfere with proper adhesion to the substrate. Special application techniques may be required above or below normal application conditions.

Curing Schedule

Surface Temp. & 50% Relative Humidity	Dry to Recoat Minimum	Dry to Recoat Maximum *
5°C	24 Hours	48 Hours
10°C	12 Hours	42 Hours
15°C	6 Hours	36 Hours
25°C	2 Hours	24 Hours
30°C	2 Hours	18 Hours

***** If max. recoating time has elapsed, moist the surface with Carboline Thinner #2. If drying time exceeds one week, a new coat of Carboline 1340 Clear should be applied before topcoating. If not, poor adhesion or intercoat splitting may occur.

Packaging, Handling & Storage

Kit Standard Part A 13,3 litres
Part B 6,7 litres

Storage (General) Store indoors

Storage Temperature & Humidity 5° - 45°C
0 - 95% relative humidity

Shelf Life Max. 24 months at 24°C

Note

This product shall only be used as a single-coat or in a system with other recommended Carboline products. Otherwise an approval shall be issued by Carboline.

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