product data

carboline®

Reactic ® 1210 Non Skid

Selection & Specification Data

Generic Type

Three component, glass-flake and aggregate-filled epoxy. Part A and Part B mixed prior to application. Available a choice of size of aggregate

Description

A high solid epoxy , filled with glass flake and aggregate with provides very good corrosion resistance and protection against abrasion in extreme service application. An excellent chemical resistant , anti slip floor and deck coating. Available with coarse grit (1210) and smaller or lighter grit (1210 LG)

Features

- Excellent abrasion resistance.
- Very good chemical resistance.
- Provides Outstanding impermeability.
- One coat application direct to substrate.
- USDA acceptance is pending
- Meets the most stringent VOC (Volatile Organic Content)regulations.

Gripoxy 1210 and 1210 LG are designed for offshore docking, helipads, walkway and other heavy traffic area whre maximum abrasion resistance and impermeability are desired. Also recommended as an antislip deck coating for loading docks, ramps, stairs, warehouse floors and area where a slippery surface is safety hazard.

Exposure	Splash & Spillage	Fumes
Acids	Excellent	Excellent
Alkalies	Excellent	Excellent
Solvents	N/R	N/R
Salt Solutions	Very good	Excellent
Water	Excellent	Excellent

N/R = Not Recommended

Color

Gray 5742 is standard. Consult Carboline Customer Service for the availability of other colors.

GLOSS:

Flat

Dry Film Thickness

20 mils (500 microns) depending on the service.

Solids Content

of Mixed Materials	By Volume
REACTIC 1210 or 1210 LG	93% ± 2

Compatible Coating

May be applied directly to the subtrate but can be applied over catalized epoxy primers. May be topcoated with urethane coatings to enhance aesthetic characteristics. Consult Carboline Technical Service Department for specific recommendations

Theoretical Coverage Rate

1480 mil sq. ft. (37 sq. m/l at 25 microns)
74 sq. ft. at 20 mils (1.8 sq. m/l at 500 microns)
Mixing and application losses will vary and must be taken into consideration when estimating job requirements.

VOC Values

The following are nominal values :

As supplied: 0.8 lbs./gal. (96 grams/liter)

Thinned: Thinner	Fluid Ozs/Gal	Lbs/ Gal	Grams/ Liter
15	19	1.6	194

"May Varies with color

Dry Temp. Resistance

(Non-immersion)
Continuous: 180°F(82°C)
Non-continuous: 250°F(121°C)

Limitations

Immersion in or the splash and spill of strong solvents. (Epoxies lose gloss, discolor and eventually chalk in sunlight exposure).

Substrates & Surface Preparation

General

Typically applied directly to abrasive blasted steel. May be applied to concrete or other substrates as recommended by Carboline.
Remove all oil or grease from surface to be coaled with clean rags soaked in Thinner #2 or Surface Cleaner #3 (refer to Surface Cleaner #3 Instructions) in accordance with SSPC-SP 1.

Steel

Immersion Service: Abrasive blast to a Near White Metal finish in accordance with SSPC-SP 6 and obtain a 3-4 mil (75-100 micron) blast profile
Non-immersion:
Abrasive blast to a Commerciall finish in accordance with SSPC-SP 10 and obtain a 3-4 mil (75-100 micron) blast profile.

Concrete

time. Remove fins and other protrusions by stoning, sanding or grinding Abrasive blast to open all surface voids and to remove all form oils, incompatible curing agents, hardeners, laitance and other foreign matter and produce a surface texture similar to that of a medium grit sandpaper Remove all loose contaminants (sand & dust) by vacuum or high pressure air

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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. **General Guidelines**:

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

Conventional Spray Best results are achieved by using a bottom feed pressure pot equipped wifli dual regulators, mechanical agitator and a water trap Use 3/4" ID material hose with a maximum length of 25 feet and a 3/8" I.D air hose Pre-wet material line with Thinner #2 . Use 1/4" fluid tip with a 1/4" round or slotted internal mix air cap. A Binks 7E2 or similar gun from Graco or DeVilbiss is suggested.

Airless Spray Not recommended

Brush Application by brush is not recommended

Roller Application by roller will result in a rougher non-skid surface. A "nylon loop" roller must be use. Do not por material on the surface. Dip the roller into a 5 gallon pail and roll out evenly. Keep roller wet

Mixing & Thinning

Mixing & Ratio Power mix each part separately, then combine and power mix in the following proportions

	5 Liter set
Reactic 1210 Part A	3.15 Liter
Reactic 1210 Part B	0.92 Liter
Reactic 1210 Filler	2.05 Kg

Allow a 15 minutes induction time at 75"F (24"C) prior to application, mixing time should be considered as part of the induction time
Do not mix partial kits
Optional Non-Skid Fillers:

Thinning Thin up to 15% by volume with thinner#2 to ensure uniform flow. Allow 15 minutes induction time at 75°F (24°C) prior to application. Mixing time should be considered as part of induction time.

Pot Life Two hours at 75°F (24°C) and less at higher temperatures. Pot life ends when coating starts to generate heat or loses film build.
CAUTION: THIS PRODUCT EXOTHERMS AT THE END OF ITS POT LIFE ANY UNUSED QUANTITIES WILL BECOME EXTREMELY HOT AND WILL GENERATE SMOKE AND FUMES SPREADING THE MATERIAL OUT IN A THIN FILM ON AN APPROPRIATE SURFACE WILL REDUCE THE HEAT. TAKE APPROPRIATE SAFETY PRECAUTIONS

Cleanup & Safety

Cleanup Use CARBOLINE Thinner # 2

Safety Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation and wear gloves or use protective cream on face and hands if hypersensitive. Keep container closed when not in use.

Ventilation WARNING : VAPORS MAY CAUSE EXPLOSION: When used as a tank lining or 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. In addition to ensuring proper ventilation, fresh air respirators or fresh air hoods must be used by all application personnel. Where flammable solvents exist, explosion-proof lighting must be used Hypersensitive persons should wear clean, protective clothing, gloves and/or protective cream on face, hands and all exposed

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 the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non sparking shoes

Application Conditions

	Material	Surfaces	Ambient	Humidity
Normal	(16-35°C)	(16-35°C)	(16-35-C)	35-65%
Minimum	50°F(10°C)	50°F(10°C)	50"F(10°C)	0%
Maximum	100°F(38X)	120°F	100'F(38'C)	85%

Do not apply when surface temperatures is less than 5°F (3°C) above Dew point.

Special thinning and application techniques may be required above or below normal conditions.

Curing Schedule

Surface Temp. & 50% Relative Humidity	Dry to touch	Dry to topcoat	Final Cure
75°F (24°C)	6 hours	16 hours	7 days

Primed surfaces must be topcoated with Gripoxy 1210 or 1210 LG with in 24 hours for maximum intercoat adhesion. If primer is allowed to cure for more than 36 hours degrease and clean, and brush blast primed areas before applying Reactic 1210 or 1210 LG

Packaging, Handling & Storage

Shipping Weight (Approximate)

APPROXIMATE SHIPPING WEIGHT:	
5 Liter set	7 kg

Flash Point (Setaflash) (Setaflash)
Reactic 1210 Part A 104°F (40°C)
Reactic 1210 Part B>200°F(>93°C)
Thinner #2 24°F (-4°C)

Storage Temperature & Humidity Store indoors.
Temperature: 40-110°F (4°C)
Humidity: 0-100%

Shelf Life 6 months when stored at 32°C

***Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.**

carboline®
Protective Coatings and Linings

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