



ReflectASeal

Epoxy Coatings & Waterproofing Systems

REFLECTASEAL-400

Description:

REFLECTASEAL-400 is a high-solids polyamide-epoxy resin. The formulation includes a long pot life as well as flexible properties, which allows it to withstand abrasive conditions and have a high impact resistance. REFLECTASEAL-400 is a decorative and protective epoxy coating developed for metals of all types.

Application Areas:

REFLECTASEAL-400 is a self priming protective coating for metal: walls, tanks, pipes, floors, stairs, decks, equipment, and much more. REFLECTASEAL-400 can be used where dampness may prevent the use of other coatings. REFLECTASEAL-400 is used in commercial and industrial surroundings.

Resistance:

REFLECTASEAL-400 has excellent resistance to various solvents, hydrocarbons, acids, alkalis, saltwater, and freshwater.

Preparation:

To begin, the surface should be etched to provide a profile or "tooth" for optimal adhesion. Surfaces must be cleaned free of grease, oil, wax, mastic compounds, paint, waterproofing compounds, form release materials, and all other contaminants prior to application. Metal must be free of mill scale, rust, paint, oil, grease, oxides, etc. An abrasive type of preparation is recommended to produce a profile for the REFLECTASEAL-400 to adhere to. The preparation procedures above are general guidelines. Detailed preparation methods are available through SSPC at www.sspc.org or 412-281-2331 or NACE at www.nace.org or 281-228-6400.

Mixing:

The mixing of parts A & B is very important! REFLECTASEAL-400 has a mixing ratio of 3 parts "B" to 1 part "A". Agitate each part separately before combining the two. Use a power mixer to thoroughly combine both parts. Mix for a minimum of 5 minutes. Allow idle activation time for a minimum of 15 minutes. Xylene should only be added after the activation is complete. For general purposes, no more than 1 pint per gallon of solvent should be added to the mixture.

Application:

Brush, 3/8" nap roller cover, or airless spray equipment may be used to apply REFLECTASEAL-400. Surface configuration, weather, or area surroundings will dictate application method.

DRY FILM APPLICATIONS

To get dry film of:	Apply Sq. Ft./gal.
6.5 mils	200 sq ft
13 mils	100 sq ft

DO NOT apply product heavier than 200-sq. ft. per gallon per coat (8 wet mil.). For a heavier dry film, apply necessary number of coats. Use of thinner increases possibility of sag and reduces dry film thickness. REFLECTASEAL-400 may be applied to damp surfaces but it is best to have a dry surface if possible.

Allow REFLECTASEAL-400 to become tack-free before applying additional coats or approximately 6 hrs. *Caution! Without the use of aggregate in REFLECTASEAL-400, the surface will be slippery when wet!*

General:

REFLECTASEAL-400 should be applied in well-ventilated areas. Surfaces should be free of foreign matter. **DO NOT** apply product near an open flame.

Clean Up:

Application equipment should be cleaned immediately with Lacquer Thinner or Xylene. Use Apple Cider Vinegar to clean hands and skin. **Do not allow REFLECTASEAL-400 to remain on tools! Once it sets and is cured, it is difficult to remove.**

Flammability: Flammable during application. Does not support combustion when cured.

Curing Time:

Pot Life: 4 hrs @ 80°F
Drying Time: 6 hrs @ 80°F
Total Cure: 36 hrs @ 80°F

Packaging:

4-gallon units:

3 gal can full, containing Base (part "B")
1 gal can full, containing Activator (part "A")

20-gallon units:

4 - 6 gal pails containing 3¾ gals of Base (part "B")
1 - 6 gal pail containing 5 gals of Activator (part "A")

Colors: REFLECTASEAL Standard Colors (White, Tan, Gray)

Solids Content: 83% Solids

Mixing Ratio: 3 parts B to 1 Part A (3:1)

Abrasion Resistance (ASTM D4060): Taber abraser CS-17 calibrase wheel at 4000 cycles with 2.1 mils wear and .35 grams lost.

Adhesion-Pull-Off (D4541): Steel: 100% adhesion failure @ 2035 psi

Impact Resistance (D2794): 45 inch lbs. direct - passed

Pencil Hardness (D3363): 5H - passed

For further assistance, contact one of our technicians via phone or e-mail.

MSDS are available for health and safety data.

For emergency information contact:

CHEMTREC @ 1-800-424-9300

Safety:

This product (and any recommended thinner) contains solvents and/or chemical ingredients. Adequate health and safety precautions should be observed during storage, handling, use, and drying periods. For safe usage, user is specifically directed to consult the current Material Safety Data Sheet for this product. When using this product in a confined space or closed area, consult the OSHA or ANSI

bulletins on safety requirements.

The information as set forth in the technical data contained herein has been developed based on test and evaluations made by REFLECTASEAL, LLC. for standard coating applications. We believe this information is the best currently available on the subject. We make no guarantee of results and assume no obligation or liability in connection with this information. It is offered as possible helpful suggestion, any experimentation you may care to undertake along these lines, is at your own risk. You should test the coating material to determine if it is suitable for the application intended. It is supplied on the condition that you shall make your own tests to determine its suitability. REFLECTASEAL shall have no liability for incidental or consequential damages, indirect or direct. Our liability is limited to the net selling price of the purchased product(s) or the replacement of our product, at our option.