



MARINE-FLEX 570

Underwater Grade/Submersible Epoxy

DESCRIPTION:

Marine-Flex 570 is a 100% solids, medium viscosity, moisture insensitive epoxy coating intended for heavy marine and wet industrial exposures.

Marine-Flex 570 CAN BE APPLIED UNDERWATER, as well as on wet, damp or dry concrete or steel surfaces exposed to air.

PROPERTIES:

- Solids Content: 100%
- Composition: Epoxy/Amine
- Mix Ratio: 1 : 0.75
- Pot Life (77°F): 20 min.
- Tack Free Time: 4-10 hours
- VOC Content: 0 g/L

CHEMICAL RESISTANCE:

- Sea Water: Continuous Immersion
- Distilled Water: Continuous Immersion
- Ethanol: Occasional Spillage
- Detergent: Continuous Immersion
- NaOH 50%: Continuous Immersion
- H₂SO₄ 70%: Short Term Immersion
- HCl 10%: Short Term Immersion
- HNO₃ 20%: Occasional Spillage

Not recommended for use in contact with strong organic solvents, acetic acid, or Skydrol.

APPLICATION:

Marine-Flex 570 is supplied in pre-portioned units. Mix the two components thoroughly using slow speed paddle mixer, mixing for at least 4 minutes

and avoiding incorporation of excess air.

Once blended, the two components will not separate or bleed if submerged, and application can be performed in calm, clean water or salt water. Note that pot life is reduced and reaction is accelerated underwater.

Product may also be applied in air, as with other 100% solids epoxy coatings. Submersion is acceptable at any point in the cure regime, but protect from mechanical damages until cured.

Surface Preparation is comparable to other high quality, moisture insensitive epoxy coatings. Surfaces should be clean, sound, free of dirt, oil, grease, coatings or other contaminants which may interfere with adhesion. Loose rust and scale should be removed by mechanical means from steel surfaces. Abrasive blasting is not required, but will aid in maximizing system durability. Concrete surfaces should be free of laitance, loose surface material or other contaminants as well.

Apply by brush or roller as required to provide a uniform, continuous coating. Minimum application temperature for air, surface and/or water is 50°F.

A second coat may be applied, if desired, at any time after the first coat has cured to a tack-free state. Aged surfaces may be recoated by simply cleaning the existing coating surface and reapplying.

SAFETY AND HANDLING:

Read and observe the safety and handling guidelines as detailed in the Safety Data Sheets supplied with this product. Avoid skin and eye contact.

Marine-Flex 570 is non-flammable. Store at moderate temperatures, between 50 and 85°F. Keep partially used containers tightly closed.

Shelf Life is a minimum of 2 years from date of factory shipment in unopened, properly stored containers.

Used Applicators may be disposed of upon curing of the residual coating as non-hazardous waste. Alternatively, clean up solvent is xylene. Read and observe the Safety Data Sheets for solvents, as supplied by their manufacturers.

FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

For additional information, contact Edison Coatings, Inc. or your Edison Technical Service Representative.



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