INDURON
PROTECTIVE COATINGS
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TECHNICAL DATA

RC-70 EPOXY

CLASSIFIED UL WATER QUALITY
NSF/ANSI 61 Drinking Water System Components 26KM
Maximum Surface Area/Volume Ratio: 88cm^2/L
Water Contact Temperature: 23°C

COATING DATA

DESCRIPTION:
A two component, high solids, rapid cure modified self-priming epoxy coating formulated for superior resistance to water, water borne chemicals and other aggressive environments. Conforms to ANSI/AWWA D102-06 ICS-1, ICS-2, OCS-5 primer and intermediate coat and OCS-6 primer and intermediate coat. Certified under NSF/ANSI International 61 for potable water immersion service in tanks of 1,000 gallons or greater capacity and potable water pipe eighteen (18) inches or greater.

USE:
Self priming multi-coat system for steel, ductile iron, or concrete surfaces exposed to potable or process water immersion, exposed to immersion, splash, fumes, or spillage of water borne chemicals and exposed to aggressive industrial environments. Ideal for shop or field applications requiring a more rapid curing high performance epoxy over a wide range of environmental conditions down to temperatures as low as 35°F.

COLORS:
Tan, Gray, Red & Aqua White. Epoxies chalk with extended exposure to sunlight.

LIMITATIONS:
Do not use for immersion service above 120°F (49°C) or dry heat above 200°F (93°C). Not recommended for immersion in solutions of mineral acids or organic acids.

SURFACE PREPARATION:
Steel (Immersion)—SSPC-SP-10 Near White Blast.
Steel (Non-Immersion)—SSPC-SP-6 Commercial Blast.
Ductile Iron —Remove all surface contaminants by abrasive blasting. Do not coat surfaces previously coated with asphalt.
Concrete—SSPC-SP-7 Brush Off Blast. New concrete must cure at least 28 days and contain less than 14% moisture prior to painting.
Recoating—Multicoat systems may require this product to be recoated. This product does not require scarifying the surface prior to being recoated. Prior to recoating, remove all chalk and/or other surface contaminants.

COATING SYSTEMS:
NSF/ANSI Standard 61 approved potable water immersion primers:
PE-70 Epoxy, RC-70 Epoxy, PE-54 RC Epoxy, PE-54 Epoxy, Ruff Stuff 3300 Epoxy, Indurazinc MC67.
NSF/ANSI Standard 61 approved potable water immersion topcoats:
PE-70 Epoxy, RC-70 Epoxy, PE-54 RC Epoxy, PE-54 Epoxy, Ruff Stuff 3300 Epoxy.
Non-potable water and water borne chemical immersion primers:
PE-70 Epoxy, RC-70 Epoxy, PE-54 Epoxy, PE-54 RC Epoxy, Ruff Stuff 3300 Epoxy, Perma-Clean II Primer, Armorguard P-14 Primer, Indurazinc MC67.
Non-potable water and water born chemical immersion topcoats:
PE-70 Epoxy, RC-70 Epoxy, PE-54 RC Epoxy, PE-54 Epoxy, Ruff Stuff 3300 Epoxy, Perma-Clean II Epoxy, Ruff Stuff 2100 Coal Tar Epoxy, Armorguard Epoxy.
Non-immersion primers: PE-70 Epoxy, RC-70 Epoxy, PE-54 Epoxy, PE-54 RC Epoxy, Ruff Stuff 3300 Epoxy, Perma-Clean II Primer, Induramastic 85, Armorguard P-14 Primer, Indurazinc MC67.
Non-Immersion topcoats: PE-70 Epoxy, RC-70 Epoxy, PE-54 RC Epoxy, PE-54 Epoxy, Armorguard Epoxy, Perma-Clean II Epoxy, Indurethane 5500 Enamel, Aquanaut Enamel Indurethane 6600 Plus Enamel.

COVERAGE:
Theoretical-1123 ft^2 per gallon @ 1.0 mil dry.

DRY FILM THICKNESS: 3.0 to 6.0 mils. **WET FILM THICKNESS:** 4.2 to 8.6 mils.

APPLICATION DATA

PACKAGING:
Five gallon pails and one gallon cans. Order 10 gallon or 2 gallon kits.

BLEND RATIO:
For RC-70 Epoxy mix one part RC-70 Epoxy Base Part A (use either Tan, Gray, Red or Aqua White) to one part RC-70 Epoxy Activator Part B. Power agitate until components are thoroughly mixed.

STORAGE TEMPERATURE:
Minimum 20°F, Maximum 110°F.

SHELF LIFE:
18 months at recommended storage temperature.

APPLICATION:
For best application properties, blended coating temperature should be above 50°F prior to application. ***Airless Spray***—Use .015-.017 tip, 60 mesh filter, 30:1 pump ratio at 60-100 psi operating air pressure. ***Conventional Spray***—Follow instructions of equipment manufacturer for the application of epoxy paints. ***Roll***—Use lambswool cover. Additional coats may be required to achieve desired film thickness. ***Brush***—Use natural bristle brush. Additional coats may be required to achieve desired film thickness.

THINNING:
If required, thin from 5% up to 10% with K-1034 Reducer.

CLIMATE:
Use this product only if the substrate temperature and ambient air temperature is above 35°F and is expected not to decrease for at least two hours after application. Also, the substrate temperature must be 5°F above the dewpoint for a period of at least two hours after application to avoid condensation occurring on wet paint.

POT LIFE DRY TIME:

TEMPERATURE	POT LIFE	TO HANDLE	TO RECOAT	IMMERSION
35°F	8 hrs	18 hrs	48 hrs-2nd day	14 days
40°F	8 hrs	14 hrs	48 hrs-2nd day	14 days
50°F	6 hrs	10 hrs	12 hrs-overnight	7 days
70°F	2 hrs	6 hrs	6 hrs	7 days
90°F	Do not Use	Do not Use	Do not Use	Do not Use

No maximum recoat time. Curing time varies with surface temperature, air movement, humidity and film thickness. For interior potable water tank ventilation see ANSI/AWWA D102-03 Section 4.6.5.

PHYSICAL DATA:
VOLUME SOLIDS: 70% ± 2%
SOLIDS BY WEIGHT: 84% ± 2
VOLATILE ORGANIC COMPOUNDS:
Mixed unthinned - < 2.2 lbs/gallon; < 264 grams/liter
Mixed thinned 10% - < 2.7 lbs/gallon; < 324 grams/liter
HAZARDOUS AIR POLLUTANTS (HAPS):
Mixed unthinned - 0.26 lbs/gallon solids; 31.19 grams/liter solids
Mixed thinned 10% - 0.28 lbs/gallon solids; 33.58 grams/liter solids

SAFETY DATA:
See individual product label for safety and health data information. Individual Material Safety Data Sheets are available upon request. 99.