

SYNTHO-SUBSEA™

UNDERWATER EPOXY MASTIC SEALANT, FILLING, AND PATCHING SYSTEM



Description

Syntho-SubSea™ Epoxy is a two-component, Kevlar®-reinforced, epoxy mastic coating for sealing and remediation of pipelines. It is also used for corrosion and erosion protection in the splash zone or subsea. Ideal for patching, sealing, and coating a wide variety of materials, including steel, concrete, wood, aluminum, and fiberglass, and easy to use as an adhesive or coating on both wet surfaces and underwater. This versatile epoxy system is reinforced with Kevlar to achieve high-performance characteristics such as excellent adhesion, resistance to high pressures, resistance to high and low temperature extremes, as well as outstanding resistance to petroleum products and chemicals. This product can also be used for aboveground and belowground applications. The sister product, Syntho-Subsea™LV Epoxy, offers superior mechanical properties if required.

Mechanical Properties

| Test | Method | Result |
|----------------------|------------|-------------------------|
| Tensile Strength | ASTM D3039 | 7,600 psi (524.0 bar) |
| Compression Strength | ASTM D695 | 7,380 psi (508.9 bar) |
| Flexural Strength | ASTM D790 | 13,000 psi (896.31 bar) |
| Flexural Modulus | ASTM D790 | 13,600 psi (937.68 bar) |

| Item # | Description |
|--------|-----------------------|
| SUB01 | Parts A & B, 1 lb kit |
| SUB04 | Parts A & B, 4 lb kit |

Typical Applications

- Protective corrosion coating in splash zone and subsea.
- Adhesive, protective coating on wet surfaces or underwater.
- Pipeline anomaly reinforcement and remediation.

Physical Properties

Color:

Resin – Blue, Curing Agent – Yellow

Pot Life: 60 Minutes at 77°F (25°C)

Cure Time: 24 Hours at 75°F (24°C)

Service Temperature:

Dry: -50° to 200°F (-45° to 93°C)

Wet: -50° to 160°F (-45° to 71°C)

Spreading Rate/Gallon:

1,604 mil/sq. ft.

53.5 sq. ft./30 mils

Solids Content: 100%

Shelf Life: 12 Months with recommended storage conditions

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