

CrownPro UnderWater Paste

Product Description Sheet No. 125



STRUCTURAL ADHESIVE PASTE & EPOXY POLYMER CONCRETE PROTECTIVE SYSTEMS FOR SPLASH ZONE AND BELOW WATER USE

DESCRIPTION

CrownPro UnderWater Paste, Product No 125, is a 100% solids, 100% reactive, moisture-insensitive, non-shrink, non-sag, two-component modified epoxy adhesive formulated to adhere and cure on damp or underwater surfaces. Factory approved aggregate may be added to extend the epoxy polymer concrete (EPC) volume.

WHERE TO USE

Use as a Patch, Grout or Protective Overlayment for Structures in Wet Environments, Splash Zone Areas and Underwater.

- Concrete
- Steel
- Wood
- Salt Water
- Fresh Water
- Brackish Water
- Structural Strengthening Systems
- Leveling Uneven Surfaces
- Filling Gaps & Joints

ADVANTAGES

- Excellent Working Time
- Cures and Adheres on Wet or Damp Surfaces
- High Early Strength Cure
- Applicable and Curable to 40°F(5°C)
- Non-Sag Paste Consistency
- May Be Extended With Properly Graded Stone

TYPICAL DATA FOR CrownPro UnderWater Paste

(Material and Curing Conditions at 73°F (23°C) unless noted, 50% R.H.)

COLOR Mixed Gray **POTLIFE** 25 minutes
CONSISTENCY Paste **NON-SAG** Neat ½ to 1 in. (12-25mm)
Density 12.75 to 13.55 lbs/gal (1.55 to 1.6 kg/dm³)
Full Cure 7 Days

TENSILE PROPERTIES (ASTM D 638) 7 Days

Tensile Strength, psi (MPa) 5,900 (40.7)
Elongation at Break >1.5 %

SLANT SHEAR STRENGTH (ASTM C 882) 7 Days

Test Temperature	Value psi (MPa)	Mode of Failure
80°F (27°C)	4,600 (31.7)	100% Concrete Failure
50°F (10°C)	4,300 (29.65)	100% Concrete Failure

COMPRESSIVE STRENGTH (ASTM D 695)

77°F (25°C) > 9,000 psi (62 MPa)

WATER ABSORPTION (ASTM D 570)

24 hours 0.57%

DEFLECTION TEMPERATURE (ASTM D 648) 7 DAYS

Fiber Stress Loading = 264 psi 180°F (82°C)

SHELF LIFE 1.5 years in original unopened containers.

PACKAGING 2, 4, and 10 Gallon Units
(Packaged by Weight)

LIMITATION Low Temperature Application and Cure is 5°C (40°F).

PROJECTS: A VIDEO IS AVAILABLE

Petroleum Peer in Trieste, Italy, (1973), 45,000 Kg.
Tarbela Dam, Pakistan, (1974-1977), 150,000 Kg.
Chasma and Warsak Dam, Pakistan, (1976-1979), 60,000 Kg.
Bandar Abbas New Port Complex, Iran (1980-1994) 230,000 kg
Ceyhan Petroleum Terminal, Turkey, (1992-1993), 80,000 Kg.
Ras Lanuf Oil Company, Libya (1995-1996), 140,000Kg.