

Data Sheet

DESCRIPTION:

ART BLU Hybrid Epoxy Coating is a 2:1 epoxy, is a highly versatile formulation designed for use in a wide variety of applications ranging from potable water relining, to highly demanding chemical environment coatings such as gas and oil processing. ART BLU Hybrid Epoxy Coating has excellent adhesion to damp substrates such as manholes, steel, clay, and cementitious pipe or similar conveyances requiring coating and rehabilitation.

ART BLU Hybrid Epoxy Coating has excellent heat resistance properties allowing its use in elevated temperature environments. Applications are tack free within 2 – 3 hours and may be immediately recoated to achieve additional coats of up to 50 mils to repair cracks or fill defects. Tanks and pipes lined with the ART BLU Hybrid Epoxy Coating are returned to service within 24 hours and complies with NSF/ANSI 61 Section 5 potable water standard fulfilling other demanding and time critical application requirements.

FEATURES & BENEFITS:

- Rapid installation of semi structural high build tank and pipe linings and coatings
- 24-hour return to service for potable water tank and pipe lining to NSF standard 61
- Extremely tolerant of damp or humid environments, cures underwater
- Monolithic repair membrane that bridges small cracks and other defects
- Chemical resistant for gas, oil and other industrial processing applications
- Heat resistant to 175°F (80°C); suited to hot water pipes/elevated temperature environments
- Excellent adhesion to damp, cool substrate
- Available in blue



APPLICATION PROPERTIES:

| | |
|---|---|
| Coverage Rate at 20 mils (500 microns): | 80 sq ft/gallon (2 sq meters/liter) |
| % Solids by Weight: | 100% |
| Specific Gravity: | 1.45 – 1.5 |
| Mix Ratio, Parts per Volume | 2 parts Resin (A) : 1 part Hardener (B) |
| Mixed Viscosity: | Highly thixotropic sprayable paste |
| Working Time: | 10 – 15 minutes |
| Tack Free Time: | 2 – 3 hours |
| Return to Service: | 24 hours |

CURED PHYSICAL PROPERTIES:

| | | |
|-----------------------------|-----------------|---------------|
| Compressive Strength (psi): | 12,000 – 14,000 | ASTM D695 |
| Flexural Strength (psi): | 13,000 – 13,800 | ASTM D790 |
| Tensile Strength (psi): | 7,000 – 8,000 | ASTM D638 |
| Tensile Elongation (%): | 4.5% | ASTM D638 |
| HDT: | 175°F (80°C) | ASTM D648-264 |
| Bond Strength (psi): | 1,800 | ASTM C882 |

CHEMICAL RESISTANCE:

| | % WEIGHT GAIN (LOSS) |
|------------------------|----------------------|
| Xylene | 0.0 |
| Toluene | 2.3 |
| 1,1,1 Trichloroethane | 0.0 |
| MEK | 2.3 |
| 10% Sulfuric Acid | 0.0 |
| 70% Sulfuric Acid | 0.2 |
| 10% Hydrochloric Acid | 0.1 |
| 50% Sodium Hydroxide | (0.2) |
| Skydrol | (0.3) |
| Mogas, Diesel | 0.0 |
| JP-4, JP-5, JP-7, JP-8 | 0.0 |