

DESCRIPTION:

ART 30 Minute Repair is a Hybrid Polymer composite, a highly versatile formulation designed for use in a wide variety of applications in concrete infrastructure. The flexible nature of the repair material allows for minimal reduction and preparation of the repair area. ART 30 Minute Repair has excellent adhesion to dry, bare concrete surfaces.

ART 30 Minute Repair has excellent strength properties with up to 20,000 PSI and is capable of repairing concrete subject to heavy vehicular traffic. Applications can cure within 60 minutes after application depending on ambient temperature. The 30 Minute Repair can be applied locally in individual batches or using multiple batches over large areas.

FEATURES & BENEFITS:

- Rapid installation
- Cures in as little as 60 minutes
- 100% solids Hybrid Polymer composite formulation
- Half the cost on average of conventional concrete repair
- 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 dry, clean substrate

APPLICATION PROPERTIES:

Coverage Rate:	1.25 cu ft.
% Solids by Weight:	100%
Specific Gravity:	1.45 – 1.5
Mix Ratio, Parts per Volume	5 parts Resin (A) : 1 part Hardener (B)
Mixed Viscosity:	Textured and moldable like wet sand
Working Time:	30 – 45 minutes
Tack Free Time:	45 – 90 minutes
Return to Service:	24 hours

CURED PHYSICAL PROPERTIES:

Compressive Strength (psi):	8,100	ASTM D695
Flexural Strength (psi):	1,500	ASTM D790
Tensile Strength (psi):	2,100	ASTM D638
Tensile Elongation (%):	10-50	ASTM D638
HDT:	175°F (80°C)	ASTM D648-264
Bond Strength:	326 psi	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	