

DESCRIPTION:

ART DOD/DOT 30 Minute Repair (30MR) is a Hybrid Polymer composite, a highly versatile formulation designed for use in a wide variety of applications in concrete infrastructure. The nature of the repair material allows for minimal reduction and preparation of the repair area. DOD/DOT 30 MR has excellent adhesion to dry, bare concrete surfaces. The DOD/DOT 30MR is designed specifically for flight line and bridge decks.

DOD/DOT 30 MR has excellent strength properties and is capable of repairing concrete subject to heavy vehicular traffic. Applications can cure within 60 minutes after application depending on ambient temperature. The DOD/DOT 30 MR 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:	1.00 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:	12-24 hours. Temperature Dependent

CURED PHYSICAL PROPERTIES:

Compressive Strength (psi):	14,290
Flexural Strength (psi):	3,120
HDT:	175°F (80°C)
Bond Strength (psi):	1,860

CHEMICAL RESISTANCE:

	% WEIGHT GAIN
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