

### DESCRIPTION:

The Cenoplastic Ceno-Amalgamation (the action, process or result of combining or uniting) is a highly versatile formulation designed to replace concrete in a wide variety of applications. The Ceno-Amalgamation utilizes >90% reclaimed plastics from the oceans and landfills and sequesters it into a strong concrete alternative. Ceno-Amalgamation has excellent adhesion to dry, bare concrete surfaces and can be used as a concrete repair material. The Ceno-Amalgamation was designed specifically for the SDGs (Sustainable Development Goals) and for use on bridge decks and airfields.

### FEATURES & BENEFITS:

- Utilizes Reclaimed Plastics
- Can be upcycled indefinitely
- Rapid installation
- Cures in as little as 60 minutes
- 100% solids Hybrid Polymer Amalgamation
- 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:

% 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:	20 – 40 minutes. Temperature Dependent.
Tack Free Time:	40 – 60 minutes
Return to Service:	3-6 hours. Temperature Dependent

### CURED PHYSICAL PROPERTIES:

Compressive Strength (psi):	12,000 – 15,000
Flexural Strength (psi):	1,500 – 3,500
HDT:	175°F (80°C)
Bond Strength (psi):	1,500 – 2,000

### 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