

December 11, 2023

POLYMERS AND AGGREGATES FOR OVERLAY SYSTEMS

Specification Reference:

SM Material Code:

Part 1: 738-B-297
Part 2: 738-B-297

Part 1: 909M11020 - Epoxy Polymers
Part 2: 904M06270 - Aggregates

Part 1. Epoxy Polymers for Polymer Overlay Systems

Specification Reference: 738-B-297

SM Material Code: 909M11020

The epoxy polymer used in multi-layer type concrete bridge deck overlay shall be a two-component material consisting of an epoxy resin base and hardener in accordance with ASTM C881, Type III, Grade 1, Class C and the INDOT exceptions.

Source Code	Manufacturer Product Name	Approval Number	Comments
9540	ADHESIVES TECHNOLOGY CORP. ----- CRACKBOND EPOTHANE T3	W228801	
9573	CORNERSTONE CONSTRUCTION MATERIAL, LLC----- FASTRAC CE330 EPOXY BINDER	W188010	
7201	E-BOND EPOXIES, INC. ----- E-BOND 526	W188011	
9574	E-CHEM, LLC. ----- EP50-OVERLAY	W188020	
9574	E-CHEM, LLC. ----- EPX50-OVERLAY	W188012	
9581	MAPEI CORP. ----- PLANISEAL TRAFFIC COAT	W188013	
9581	MAPEI CORP. ----- PLANISEAL TRAFFIC COAT FS	W188019	
9509	OLIN-EPOXY-POLY-CARB, INC. ----- MARK-154 SAFE-T-GRID	W188014	
9509	OLIN-EPOXY-POLY-CARB, INC. ----- MARK-163 FLEXOGRID	W188015	
9585	POLY-TUFF SYSTEMS INTERNATIONAL ----- E-TUFF 7097	W208033	
9514	SIKA CORP ----- SIKADUR 22 LM	W188016	
9514	SIKA CORP ----- SIKADUR 22 LM FS	W188017	

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Source Code	Manufacturer Product Name	Approval Number	Comments
8865	TERROXY RESIN SYSTEMS----- TERROXY BINDER RESIN MORTAR	W238800	
8183	P3 INFRASTRUCTURE, INC.----- IMPERVIUS ME	W218801	
9566	UNITEX BY DAYTON SUPERIOR ----- PRO-POXY TYPE III D.O.T.	W188018	

Part 2. Aggregates for Polymer Overlay Systems

Specification Reference: 738-B-297

SM Material Code: 904M06270 - Aggregates for Polymer Overlay Systems

The aggregate used in multi-layer type concrete bridge deck overlay shall be in accordance with 904.02 and the INDOT exceptions. It shall be one of the following: Aluminum oxide; Basalt; Calcined bauxite; Crushed granite; Flint; or Glacial gravel.

The aggregate shall be clean, dry, free of dirt, clay, asphalt, and other foreign or organic materials. All aggregate shall be delivered to the project site in sealed waterproof bags or containers.

Source Code/Approval Number	Manufacturer Source Location	Comments
AGG0111	FLINT ROCK PRODUCTS PICHER, OK	
AGG0135	RED FLINT EAU CLAIRE, WI	
AGG0121	WASHINGTON ROCK ORTING, WA	
AGG0152	WASHINGTON ROCK QUARRIES/NORTH EAST MATERIAL GR GRANITEVILLE, VT	