

Polyethylene-Based Functional Copolymer

EverTuff® ET11



- High bond strength
- Coatings last up to 5x longer than conventional liquid coatings
- Resists acids, caustics and moisture
- Withstands impact and flexing
- Easily applied via flamespray, fluidization bed dipping or electrostatic spray



DESCRIPTION:

A functionalized polyethylene copolymer thermoplastic powder coating designed for maximum mechanical performance, impact resistance and UV-stability.

EverTuff ET11 is a good general purpose protective coating. Coatings of EverTuff ET11 need only be heated enough to flow out the coating, nothing more. Overheating may cause degradation or embrittlement of the coating. Coating may be put into service when cooled.

TECHNICAL DATA:

COATING PROPERTIES:

Bond Strength:	>1000 psi
Coverage:	10 ft ² /lb (10 mil)
Min Coating Thickness:	0.010 in (10 mil)
Density:	.934 g/cm ³
Hardness D Shore:	48
Tensile Strength:	3,100 psi (21.4 MPa)
Elongation %:	580
Melt Index:	32g/10 min
Vicat Softening Temp:	167°F (75°C)
Melting Point:	221°F (105°C)
Service Temperature:	-20°-160°F (-29°-71°C)
Taber Abrasion:	
CS 10 1000g/1000cyc	90 mg loss
CS 17 1000g/1000cyc	100 mg loss
UV Stability:	UV stabilized

PRODUCT HANDLING:

Cure Time: None
Shelf Life: No restrictions
Storage Requirements: Store in dry area. Reseal powder containers during and after use.
VOC Content: No solvents. 100% Solid
Waste Disposal: No special requirements, but preferred options are (1) recycling. (2) incineration with energy recovery and (3) landfill. Any disposal procedure must comply with all local, state and federal regulations.

APPLICATION PROCEDURE:

SURFACE PREPARATION: Chemical Pretreatment - Multi-stage phosphate conversion coating may be used
Mechanical Preparation - (SSPC-SP6) 2-3 mil (50-75µm) anchor profile using clean, sharp edged blast media.

NOTE: Properly preparing parts before powder coating is essential for a quality finish. This includes cleaning, rinsing, drying and ensuring the substrate surface is free and clear of any contaminants.

PREHEAT: Preheat base-metal from 180°-200°F (82°-93°C). This will remove moisture and ensure good adhesion and coating integrity.

APPLICATION: Apply EverTuff ET11 using the TeroDyn System 2000 or 3000 thermal spray equipment. Please follow all procedures for use. Contact Eutectic Technical Services for more information, 800-558-8524.

APPLICATIONS:

Automotive, Steel

Acid Tank Stands, Pickling Tank, Chemical Tank Frames

Marine

Buoys, Handrails, Exposed Steel Fixtures

Municipalities

Snow Plows, Sand Truck Bodies, Salt Spreaders

Pulp & Paper

Chemical Tanks, Heat Exchanger Tube Sheets, Piping, Motor and Bearing Housings, Mixer Paddles

Transportation

Railcar Belly Bands, Exposed Steel Fixtures

Utilities

Exposed Piping, Chemical Pumps, Conveyor Belts, Inlet Water Screens, Heat Exchanger Tube Sheets

CHEMICAL & WEATHERING RESISTANCE:

Acids:	Excellent
Alkalies:	Excellent
Ammonia:	Excellent
Humidity:	Excellent
Salt Fog:	No migration (4000+ hrs)
Salts:	Excellent
Solvents:	Fair
Weathering:	Excellent (UV Stabilized)

YOUR RESOURCE FOR PROTECTION, REPAIR AND JOINING SOLUTIONS



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