



Tufcote™ EE Hydro 217 Waterbased DTM Acrylic

(Formerly EcoExtreme™ 217)



GENERAL

DESCRIPTION

The Tufcote™ EE Hydro 217 is a single component, direct-to-metal acrylic coating designed to provide excellent exterior performance properties. This coating exhibits excellent color and gloss retention as well as outstanding corrosion protection in an easy to apply single component product.

Product Highlights:

- Easy to apply
- High-build, Single coat
- Fast Dry
- Low VOC
- Zero HAPs

SUGGESTED USES

The Tufcote™ EE Hydro 217 DTM is recommended as an exterior coating for use on the following:

- Railcar Exterior
- Heavy Equipment
- Trailer Chassis and Frame
- OEM/Industrial Maintenance
- Storage Tanks

NOT RECOMMENDED FOR

- Immersion service

PERFORMANCE PROPERTIES

Chemical	Excellent
Humidity	Excellent
Weather	Excellent
Flexibility	Excellent

COLORS AVAILABLE

Black
Gray
White
Custom Colors Available



MIXING

COMPONENTS

Black, 217-B300-111
Gray, 217-D300-106
White, 217-W300-129
Ferric Brown, 217-J300-127

MIXING

The Tufcote™ EE Hydro 217 is a single component product. Mix paint thoroughly to a uniform consistency with low speed power agitation prior to use.

REDUCTION

No reduction necessary for airless spray.



APPLICATION

SURFACE PREPARATION

This product is recommended to be applied onto steel surfaces prepared to SSPC-SP 6 or 10 with a 2.0 – 3.0 mil abrasive blast profile. Poor surface preparation will reduce the overall performance and service life of the coating. For best results, surfaces should be clean, dry and free of loose rust, dust, dirt, oil, grease, salt deposits or other contaminants. If applying over previously installed coatings, test an inconspicuous area for lifting or softening of existing coating prior to full application. Do not use hydrocarbon solvents for surface preparation.

APPLICATION CONDITIONS

This product is designed for single-coat application and can be applied up to 10 mil DFT in a single coat. Multiple coats may be applied if desired. Substrate and air temperatures must be at least 5°F (3°C) above the dew point and rising with a maximum relative humidity of 85%. Water condensation on the new film may cause surface imperfections and poor cure. Avoid placing freshly painted components outdoors under wet, rainy conditions. Good air movement and air turnover is very important to properly dry/cure this product. Air movement will remove water from the painted steel and promote positive dry. Warm, dry air is recommended for best results. Non-moving stagnant air around the painted steel will become saturated with water vapor and retards the dry of the coating.

APPLICATION DATA

Coating Thickness: 4-10 Mil DFT
Coverage: 93 Sq. Ft/Gal @ 6 Mil DFT
Full Cure: 30 Days @ 77°F
Re-coat: 1-2 Hr. @ 77°F

SPRAY APPLICATION

Airless Spray

Pressure: 1,800 – 3,000 psi
Tips: 0.017" – 0.021"

Conventional Spray

Spray Gun: Binks 95
Fluid Nozzle: 66
Air Nozzle: 63PB
Atomizing Pressure: 55 psi
Fluid Pressure: 20 psi

BRUSH & ROLL APPLICATION

These products may be applied by brush or roller for touch-up and repair.



DRY SCHEDULE

Cure time in hours at 6 mil DFT

Temperature	Dry Touch	Dry-Handle	Dry-Decal
104° (40°C)	20 Min.	1.5 Hr.	1 Hr.
77°F (25°C)	1 Hr.	4 Hr.	3 Hr.
60°F (15°C)	2 Hr.	7 Hr.	5 Hr.
50°F (10°C)	4 Hr.	11 Hr.	9 Hr.



PHYSICAL PROPERTIES

Finish	Gloss
Material VOC	0.48 lbs./gal +/- 1%
Volume Solids	37% +/- 1%
Weight Solids	44% +/- 1%
Theoretical Coverage Per Gallon	593 ft ² @ 1 mil DFT
	99 ft ² @ 6 mils DFT

Material losses during mixing and application will vary and must be taken into consideration when estimating job requirements.

Package Size: 5-gallon pail, 50-gallon drum, 330-gallon tote

RECOMMENDED STORAGE CONDITIONS

Store components between 55°F and 100°F. Store in dry shaded/covered conditions away from sources of heat and ignition. Do not allow product to freeze.

Shelf-Life, 24 Months-Unopened, 77°F

SAFETY AND HANDLING

Use soap and water to remove any material from hands or skin. Cleanup solvents or thinners are recommended to be used in accordance with each facilities Environmental, Health and Safety standards, regulations and procedures. Please and understand the Safety Data Sheet before using this product.