HPC/Industrial Maintenance

Pitt-Tech® EDF Interior/Exterior Waterborne Acrylic Dry Fog

GENERAL DESCRIPTION

Pitt-Tech® EDF is an exceptional direct to metal, interior/exterior, semi-gloss acrylic dry fog and is designed to prevent overspray on surrounding structures. Easy to apply, Pitt-Tech EDF possesses excellent exterior durability, dry fall properties, and color and gloss retention and transfer efficiency. This rust inhibitive coating adheres to lightly rusted surfaces and protects from the long term effects of weathering and corrosion. Pitt-Tech EDF is ideal for use on a wide range of substrates and structures such as: Exterior Tanks and Towers, Piping, Building Interiors and Exteriors, Manufacturing Facilities, Production Facilities.

For Professional Use Only; Not Intended for Household Use.

RECOMMENDED USES

Ferrous Metal
Previously Painted Metal
Galvanized Metal
Concrete

FEATURES AND BENEFITS

Self Priming*
Excellent Dry Fall and Transfer Efficiency
Protects from the effects of corrosion and weathering
Exceptional Color and Gloss Retention
Rust Inhibitive
Easy to apply via spray, brush and roll
VOC compliant
Flash Rust Resistance

*Properly prepared surfaces

PACKAGING

5-Gallon (18.9L)

Not all containers are full-filled.

PERFORMANCE DATA

Name of Test	ASTM Test	Results
Gloss Retention QUV 1750 hrs. UVA 340 lamps	ASTM D4587	94%
Humidity	ASTM D4585	500 hrs. Passes
Salt Spray	ASTM D117	500 hrs. Passes
Adhesion	ASTM D3359	100%

For additional information, contact your Protective Coatings Specialist.

TINTING AND BASE INFORMATION

90-810	Neutral Base
90-811	White Base
90-812	Porcelain White*

Use 896 line tints. Refer to the appropriate color formula book, automatic tinting equipment, and or computer color matching system for color formulas and tinting instructions.

*Do not tint.

PRODUCT DATA

PRODUCT TYPE: 100% Acrylic Latex

GLOSS: Semi-Gloss
25 to 50 (60º Gloss Meter)

VOC*: 0.71 lbs./gal. (85 g/L)

*Product data calculated on 90-812.

COVERAGE: 166 to 322 sq. ft./gal.(15 to 29 sq. m/3.78L)

Coverage: Does not include loss due to varying application method, surface profile, or mixing.

WEIGHT/GALLON*: 10.6 lbs. (4.8 kg) +/- 0.3 lbs. (136 g)

VOLUME SOLIDS*: 41.7% +/- 2%

WEIGHT SOLIDS*: 54.2% +/- 2%

****FILM THICKNESS:**

Dry Mils*:	2.0 to 4.0
Dry Microns:	51 to 102
Wet Mils*:	5 to 10
Wet Microns:	127 to 254

**Applications up to 20 wet mils (8 mils dft) are acceptable where required by specification, but drying times will increase significantly.

IN-SERVICE LIMITATIONS: Dry Heat 250ºF (121ºC)

Dryfall (Typical) 10-15 ft @ 75ºF/50% relative humidity with proper spray technique ASTM D5895.

DRYING TIME: All at 50% relative humidity.

Temperature	50ºF	77ºF	90ºF
To Touch:	25 minutes	13 minutes	9 minutes
To Handle:	45 minutes	19 minutes	17 minutes
To Recoat:	45 minutes	19 minutes	17 minutes

Drying times listed may vary depending on temperature, humidity, color and air movement.

CLEANUP: Water

FLASH POINT: Over 200ºF (93ºC)

GENERAL SURFACE PREPARATION

The service life of the coating is directly related to the surface preparation. Surface to be painted must be clean, dry, smooth, and free from surface contaminants. SSPC-SP2 Hand Tool or SSPC-SP3 Power Tool cleaning is minimum. All cracks and other surface imperfections must be repaired and spot-primed. Dull glossy surfaces by sanding. Prime metal, patched and porous surfaces with the appropriate primer. WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

METAL: Rust and other surface contaminates must be removed from ferrous metals, aluminum, copper, brass, and galvanized steel. Then the surface must be cleaned thoroughly to remove any dust.

GALVANIZED METAL: Solvent Clean per SSPC-SP1 to remove grease and oils. If any oxidation (white rust) has formed, sand and remove all forms of contamination. If the galvanized has been passivated or stabilized, the surface must be abraded, i.e. Brush-Off Blast Clean per SSPC-SP7 or chemically treat the surface.

PREVIOUSLY PAINTED METAL: Water or sand blast all loose paint and chalky material. Prime any exposed metal with the appropriate primer.

CONCRETE: Allow the mortar to cure for thirty (30) days under normal drying conditions. Remove all dirt, dust, grime, loose mortar and all other forms of contamination.

RECOMMENDED PRIMERS

Pitt-Tech EDF can be used as a self-priming topcoat over ferrous metal, previously primed metal, and galvanized steel.

Plaster	4-603
Concrete, Masonry (Primers, Sealers)	4-603, 4-808
Concrete Masonry Units (Block Fillers)	6-7, 6-15
Ferrous Metal	6-208, 6-212, 90-712
Galvanized Metal	90-712

MIXING AND APPLICATIONS INFORMATION

Permissible temperatures during application:

Material:	45 to 95ºF	7.2 to 35ºC
Ambient:	50 to 100ºF	10 to 38ºC
Substrate:	50 to 100ºF	10 to 38ºC

Mix material thoroughly before use.

Application Equipment: Changes in application equipment, and/or tip sizes may be required depending on ambient temperatures and application conditions.

Airless Spray: Typical recommended Equipment: GRACO ULTRA MAX Series pumps with contractor guns or equivalent.

Pressure Range: 1800 to 3150 psi

Tip Size: 0.013” to 0.019”

Choice of pump, gun, tip size and pressure will depend on availability, specific job requirements, operator experience and ambient conditions.

At relative humidity of greater than 70%, dry fall property is severely reduced. Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

MIXING AND APPLICATIONS INFORMATION (cont.)

Brush: High quality nylon or polyester bristle brush

Roller: 3/8” nap roller

Thinning: May thin with water up to 5% if desired.

Distance is dependent upon the degree of air movement, temperature and humidity conditions. Test free falling drying distance before proceeding.

LIMITATIONS OF USE

For Professional Use Only; Not Intended for Household Use. Apply when air, surface and product temperatures are above 50°F (10°C) and the surface temperature is at least 5ºF (3ºC) above the dew point. Not recommended for immersion service. Some types of machinery and equipment may still require covers as a protection against possible damage to working parts (such as bearings, etc.) Clean any dry overspray before rolling scaffold or allowing foot traffic into area. Proper ventilation is required to prevent excessive humidity build-up which would inhibit dry-fogging properties. Test all spray equipment in a remote area for the proper tips, pressure settings and free-fall drying before proceeding.

Overspray may adhere to hot surfaces. Be aware that surfaces may be hotter than the surrounding air temperature. These surfaces must be protected from overspray. PROTECT FROM FREEZING.

SAFETY

Proper safety procedures should be followed at all times while handling this product. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. Read all label and Material Safety Data Sheet for important health/safety information prior to use. MSDS are available through our website www.ppghpc.com or by calling 1-800-441-9695.

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