PCT
Professional Coating Technologies, Inc.

WE PROTECT YOUR WATER

PRODUCT: PIPE & FITTING COATING
CODE: MPFC-S.5™

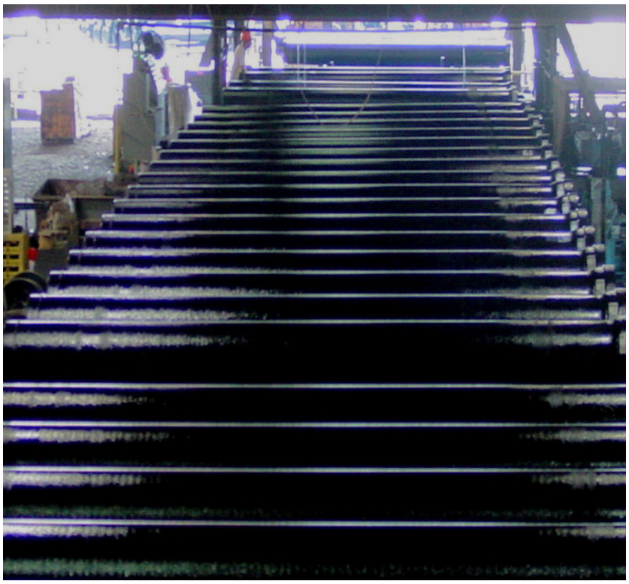
DESCRIPTION

MPFC-S.5™ is a bitumes coating used in ferrous metal foundries for spray and dip application as a Protective Coating. This low VOC water borne coating is perfect for ductile and cast iron applications as a finish or primer coat. Its matrix is constructed with excellent rust prevention, adhesion and durability components for tough handling and rugged environment. This industrial strength coating can dry to touch as quickly as two minutes. Due to the chemistry of its heavy molecular structure and bonding agents, our Coating provides increase adhesion to cement linings as compared to solvent-based coatings,

Professional Coating Technologies provides on-site technical support for all its products.

ADVANTAGES

- Improve air quality and workers health
- Low VOC emissions
- No SARA 3 health hazard ingredients
- Superior corrosion resistance
- Superior adhesion
- Fast Drying
- Dip tank and bulk tank stability
- On-site technical support
- Low odor
- Uniform flow



CERTIFICATIONS

- **Approved By UL and tested under NSF 61** Standards for Ductile Iron Pipe ID & OD for potable water service.
- **ANSI/AWWA C104 /A21.4** Cement-Mortar Lining for Ductile-Iron Pipe and Fittings for water.
- **ANSI/AWWA C110 /A21.10** 3in – 48in Ductile and Gray Iron Fittings for water & gen. liquids.
- **ANSI/AWWA C151 /A21.51** Ductile-Iron Pipe Centrifugal Cast for water & gen. liquids.
- **ANSI/AWWA C153 /A21.53** 3in – 24in and 54in – 64in. Ductile Iron Compact fittings for water service.
- **ASTM B117 Salt Fog**

CLASSIFIED UL EPH

ANSI/NSF Standard 61
Drinking Water System Components 72JM
Water Contact Temperature: 23°C

AEMA
ASPHALT EMULSION MANUFACTURERS ASSOCIATION

1001 Mt. Lebanon Road, Cedar Hill, Texas 75104 **(972) 291-7474 Ext 1202**

GENERAL PREPARATION OVERVIEW

MPFC-S.5 may be applied to a variety of surfaces without extensive cleaning. The surface should be as free as possible of oil, grease, dirt, and other foreign substances. The coating may be applied to damp surfaces however, faster dry times and thicker coverage will result on dry surfaces. On heavily rusted surfaces a second coat may be necessary.

Surface Temperature – For best adhesion and dry times the surface to be coated should be between 60°-180°F (15°-80°C). If surface temperatures cannot be raised, increase the temperature of the coating until desired adhesion and dry times are achieved. Do not exceed 180° (80°C) in a spray application and 100°F (38°C) in a dip, brush or roller application.

Previously Painted Surfaces – MPFC-S.5 may be applied over itself and most other coatings with only normal cleaning preparation.

DIRECTIONS FOR USE OVERVIEW

The Following brevity instructions are for informational purposes only. (Contact Technical Support Department for complete information.)

Preparation - Stir coating prior to use. Thinning is not required. However, if thinning is desired, add water (70°F - 21°C or above) below the surface so as to minimize foaming. Do not dilute below 50% solids. Clean all equipment including pumps, filters, and tanks with mineral spirits prior to use.

Application equipment – MPFC-S.5 may be applied with an airless sprayer, pressure pot, dip process, roller, or brush.

Rate of coverage – MPFC-S.5 provides best protection at a coverage thickness of 2.5 - 3 mils dry (5.5 – 7.5 mils wet). Depending on the porosity of the surface, coverage should be 320 sq. ft./gal. (8m/L).

Spray application - Follow equipment manufacturer's normal recommended spray practices. The use of smaller tips and multiple passes will reduce dry times. Coating may be heated with inline heater to aid in the drying process.

Dip application - Both the product to be dipped and the coating should be at least 60°F (15°C). Temperatures below 60°F will reduce coating performance. Product to be dipped should remain immersed for at least 12 seconds.

Brush and roller application - Take care not to agitate the coating with the roller or brush, as this will cause bubbles in the coating. Immerse brush or roller in coating when not in use. Use bucket for dipping rather than roller pan.

Drying – MPFC-S.5 will dry to touch within 15 minutes with air movement and fully cure in 24 hours under normal conditions. For faster drying times, apply forced air immediately after application. If spraying, add a inline heater and operate at 145°-180°F (63° - 80°C).

Clean up - Clean equipment with mineral spirits.

Finish coat – MPFC-S.5 may be top coated after 24 hours with most finish coatings including enamel, alkyd, epoxy, and polyurethane. Avoid high solvent coatings.

PRECAUTIONS OVERVIEW

Protect from freezing - For maximum shelf life, maintain a storage temperature above 60°F (15°C). Cover when not in use. Do not return any used material back to the storage container. Store drums on pallets do not put directly on the ground . Keep away from high voltage electrical equipment. If storing for extended periods of time, periodic stirring every 30-45 days is recommended to prevent settling. MPFC-S.5 is an environmentally friendly coating. As with all earth friendly coatings, normal precautions should be taken to minimize any risk associated with usage. Consult Material Safety Data Sheet prior to use. This product is for industrial use only and is to be applied by trained professionals

SHIPPING

Freight classification - Class 55 water based paint
DOT Regulations - Non regulated
Flash point - N/A in an emulsion state
Packaging - 55 gal (208 L) drums, 275 (1,041 L) totes, 5,200 (19,682 L) tankers