

# MPFC-D



**PCT**  
Professional Coating  
Technologies, Inc.

**WE PROTECT YOUR WATER**

**PRODUCT: MPFC-D PROTECTIVE  
COATING  
CODE: MPFC-D**

## PRODUCT DESCRIPTION

MPFC-D (dip) Protective Coating is a unique, low VOC, water based, finish or primer coating, providing low cost rust protection for metal. MPFC-D Protective Coating offers excellent adhesion and durability.

## ADVANTAGES

- Improved air quality and health
- Reduced insurance cost and improved worker safety
- Eliminates VOC related penalties
- Meets all current and proposed environmental regulations
- No hazardous air pollutants
- No known SARA 3 health hazard ingredients
- Superior corrosion resistance
- Superior adhesion to most surface conditions
- Dip tank and bulk tank stable



## CERTIFICATIONS

- Dip, roll, or brush application
- Dip tank does not require Ph adjustment
- Won't easily chip or wear off
- Long term protection from rust
- Normal dry time 15 min. with air movement
- Superior hardness and durability
- Will adhere to damp surfaces
- Bulk tank stable.



## GENERAL SURFACE PREPARATION

MPFC-D 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°-120°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-D may be applied over itself and most other coatings with only normal cleaning preparation.

## DIRECTIONS FOR USE OVERVIEW

### DIRECTIONS FOR USE

**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-D is best applied in a dip method. You may also use a roller, or brush.

**Rate of coverage** – MPFC-D 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).

**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-D 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.

**Clean up** - Clean equipment with mineral spirits.

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

## PRECAUTIONS OVERVIEW

### STORAGE

**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 stored in drum or tote for extended periods of time, periodic stirring every 30-45 days is recommended to prevent settling. MPFC-D 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

## SHIPPING

**Freight classification** - Class 55 water based paint  
**Flash point** - N/A in an emulsion state  
tankers

**DOT Regulations** - Non regulated  
**Packaging** - 55 gal (208 L) drums, 275 (1,041 L) totes, 5,200 (19,682 L)