

## DESCRIPTION:

Drop Dry Flat is a durable, high solids, fast dry alkyd finish that covers most surfaces in one coat and resists dirt and fume discoloration. Drop Dry Flat is designed for use in industrial, commercial and institutional buildings such as offices, warehouses, hotels and industrial plants. It is especially for upper walls and ceilings, including bar joints, structural members, ducts, corrugated metal and similar surfaces where any overspray is desired. It can applied directly to wood, pre-primed metal, concrete and plaster. Product is formulated for airless spray, but may also be brushed or rolled.

## SPECIAL CAUTIONS:

Temperature and humidity have a pronounced effect on dry fog characteristics. Applicators should test spray mist dry fog prior to proceeding. A dust fall of at least eight feet is usually required for the mist to dry while falling when properly atomized. Temperatures below 60° F. or Relative Humidity above 60% will slow dry.

## SURFACE PREPARATION:

**GENERAL** - Surfaces to be finished must be clean, dry and free of dirt, oil or any contamination that would adversely affect adhesion, protective properties or appearance of the coating. Remove dirt by washing with a detergent solution, then rinse with water and allow to dry. Remove oil, grease and wax with a paint thinner. See "**Surface Preparation Guide**" for more detailed instructions.

## UNFINISHED SURFACES:

**WOOD** - Prime new wood with alkyd primer undercoat. Some multi-story warehouse units contain wood floors that serve as ceilings for warehouse areas. Drop Dry Flat can be applied as self-priming system.

**MASONRY CONCRETE AND PLASTER** - Drop Dry Flat can be applied directly over concrete and haydite blocks as well as thoroughly aged and dry concrete and plaster. New masonry surfaces can be filled with latex block filler if smooth surface is desired. New masonry and plaster surfaces should be primed with alkali resistant latex primer before topcoating with Drop Dry Flat.

**DRYWALL, GYPSUM WALLBOARD** - Prime with latex primer. Prime coat may be omitted, but two finish coats of Drop Dry Flat may be required to contain nap on drywall surface.

**IRON, STEEL AND ALUMINUM** - Drop Dry Flat can be applied to pre-primed decking and grid-work in ceiling areas. Prime untreated ferrous metal and aluminum surfaces with appropriate metal primer.

**GALVANIZED METAL** - Prime with Galvanized Metal Primer.

## PREVIOUSLY FINISHED SURFACES:

Scaling and peeling paint must be removed by wire brushing, sanding or scraping. Rusting metal should be cleaned and spot primed.

## MIXING:

Stir each container thoroughly prior to use. As needed, may be thinned with up to one-half pint V.M.&P. Naphtha per gallon of material for spray application.

**APPLICATION:**

Material is formulated for airless or conventional spray application using the following recommendations as a guide.

**AIRLESS SPRAY:**

- Tip ..... .015"
- Fan ..... 50° (10-12 inch fan)
- Pressure ..... 1400-1800 PSI

**CLEAN UP:**

Use V.M.&P. Naphtha or mineral spirits for cleaning guns and equipment.

**APPLICATION RATE:**

In most cases, an application over a primed surface will provide adequate durability. Application rate will vary widely depending on texture and porosity of surfaces on which coating is applied. Approximately 350-400 square feet per gallon on smooth surfaces (32 to 37 square meters per 3.785 liters). Rough or porous surfaces will require more paint.

Approximate dry mil thickness of 2.4 to 2.1 mils at recommended application rate of 350 to 400 square feet per gallon on smooth surface.

**DRYING:**

Optimum drying conditions are 60° F. to 90° F. (16° C. to 32° C.) at 50% R.H.

- Dry to Touch. .... 15-30 Minutes
- To Recoat ..... Overnight

Lower temperatures and high humidity will slow dry.

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Values based on **Master Painter Dry Fog Alkyd Flat White, 4-5458**

Weight Gallon: 13.34

Weight Solids: 78.1%

Volume Solids: 53.8%

Coverage:

@ 1 Dry Mil: 864 sq. ft./gallon

@ Spread Rate: 400 sq. ft./gallon (4.0 mils wet)

Deposits a 2.2 mil dry film

VOC (g/l): Not to exceed 400

Viscosity: 80-85 K.U. @ 77° F.

Gloss @ 60: 5 Max

Grind (Hegman): #6-6.5

DOT Class: Flammable, Flash Point 57°F., UN1263

Federal Specification: N/A

HMIS/NFPA: 1,3,0

Cure Time (Based on 70° F. & 50% R.H.):

To Touch: 30 minutes

To Recoat: Overnight

Recommended Thinner: Mineral spirits for clean-up and up to one-half pint VM&P  
Naphtha per gallon for reduction to spray

Temperature Resistance: Continuous 150° F., Intermittent 200° F.

**CAUTION!** Keep away from heat and open flame. Avoid prolonged contact with skin and breathing of vapor or spray mist. Do not take internally. Close container after each use. Use only with adequate ventilation. Use respiratory devices and other personal protective equipment required by OSHA 29CFR 1910. KEEP OUT OF REACH OF CHILDREN. For specific safety requirements, refer to the Material Safety Data Sheet.

LIMITATION OF LIABILITY: To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance, but is subject to change without prior notice. We make no guarantee of any kind, express or implied, including merchantability and fitness for particular purposes. Liability, if any, is limited to replacement of the product or refund of the purchase price. Labor, or cost of labor, and other consequential damages are hereby excluded.