



ICI Devoe Coatings is a member of the ICI Paints World Group

UNI-GRIP® 4380

Modified Epoxy Flat Dry Fog
Primer & Finish

Cat. # 4380-1000 White/4380-9990 Black

PRODUCT DESCRIPTION

Generic: Modified Epoxy

General Description: A premium quality modified epoxy flat dry fog paint with excellent adhesion to most types of properly prepared interior ceilings and overhead roof decking, joists, beams and ducts, including preprimed or primed steel, galvanized steel, nonferrous metals and concrete. Overspray dries to a non-adhering dust in about a 10-foot fall under conditions of moderate humidity and temperature.

Typical Uses: May be used direct-to-metal in interior, dry areas and as a single coat finish on most surfaces. Suitable for use as a prime coat on all surfaces under dry fog paints, interior alkyd finishes or interior latex finishes. May also be used in exterior areas on overhead concrete, galvanized steel and preprimed roof decking not subject to direct weathering such as enclosed parking garages, etc.

Special Qualifications: Suitable for use on structural surfaces or surfaces where there is a possibility of incidental food contact in commercial food preparation establishments, food processing plants and federally inspected meat and poultry plants. USDA no longer requires or furnishes product certification letters.

FEATURES

Advantages:

- One coat primer and finish
- Attractive flat appearance
- All purpose coating for most overhead surfaces
- Rapid dry
- Easy clean-up of overspray
- Good moisture resistance
- Excellent adhesion
- Resistant to discoloration from mild fumes

Limitation of Use: Not recommended on exterior wood or exterior areas subject to direct weathering.

SPECIFICATION DATA

Color: White (tintable up to 2 oz./gal.) & Black

Finish: Flat

Clean-up Solvent: Xylene

Weight/Gallon: 12.9 lbs./gal. (1.55 kg/L) - varies with color

VOC: 3.32 lbs./gal. (398 g/L) - varies with color

Solids By Volume: 50% ± 1% - varies with color

Theoretical Coverage at 1.0 Mil Dry: 802 sq. ft./gal. (20 m²/L)

Practical Coverage: Apply at 300-400 sq. ft./gal. (7-10 m²/L). Actual coverage may vary depending on substrate and application method.

Recommended Film Thickness: 2.0 mils (50 microns) dry - 4.0 mils (100 microns) wet

Systems: Please consult the appropriate system guide, the particular job specification or your ICI Devoe Coatings' Industrial Coatings Specialist for proper systems using this product. Systems must be selected considering the particular environment involved.

Service Temperature Limit: 225°F (93°C) in air

Flame Spread Rating: Class A (0-25) over non-combustible surfaces

Flash Point: Over 100°F (38°C)

Dry Time @ 77°F (25°C) & 50% RH:

To touch - 45 minutes

Dry fallout - 10 ft drop

To recoat - Overnight

Warning: The above table provides general guidelines only. Always consult your ICI Devoe Coatings Specialist for appropriate recoat windows since the maximum aged recoat time of this product may be significantly shortened or lengthened by a variety of conditions, including, but not limited to humidity, surface temperature, and the use of additives or thinners. The use of accelerators or force curing may shorten the aged recoat of individual coatings. The above recoat windows may not apply if recoating with a product other than those listed above. If the maximum aged recoat window is exceeded, please consult your ICI Industrial Coatings Specialist for appropriate recommendations to enhance adhesion. Failure to observe these precautions may result in intercoat delamination.

Shelf Life: 1 year minimum - unopened

PERFORMANCE DATA

PROPERTY

Pencil Hardness
Flexibility
Water Resistance

TEST METHOD

ASTM D 3363
ASTM D 522, Method B
ASTM D 2247

RESULTS

B
Pass 3/16"
No effect @ 1000 hours

GENERAL SURFACE PREPARATION

All surfaces must be sound, dry, clean, and free of oil, grease, dirt, mildew, form release agents, curing compounds, loose and flaking paint and other foreign substances. pH of masonry surfaces must be 10.0 or lower.

New Surfaces: Concrete, Masonry and Plaster - Allow to cure at least 30 days before painting. pH must be 10.0 or lower. Roughen unusually slick poured or precast concrete by acid etching or sandsweeping. Follow acid manufacturer's application and safety instructions. Rinse thoroughly with water and allow to dry. Must be internally dry. Remove loose aggregate. Prime with this product. Fill concrete block with latex filler BLOXFIL® 4000 or ULTRA-HIDE 3010. **Steel** - Exterior, prime with solventborne metal primer DEVSHIELD™ 4130 or DEVGUARD™ 4160. Interior, prime with this product; areas

subject to occasional humidity or constant moisture, prime with solventborne metal primer DEVSHIELD 4130 or DEVGUARD 4160. **Galvanized Metal and Aluminum** - Prime with this product. **Preprimed Roof Decking** - Prime with this product.

Previously Painted Surfaces: Remove oil or grease residue by washing. Rinse thoroughly with water and allow to dry. Dull glossy areas by light sanding. Remove sanding dust. Remove loose paint. Scrub heavy chalk areas and overhead areas such as eaves with soap and water. Remove all mildew by washing with a solution of 16 oz. (473 mL) liquid household bleach and two oz. (59 mL) non-ammoniated liquid detergent per gallon (3.785 L) of water. Rinse thoroughly with water and allow to dry. Wire brush rusty areas and prime these areas with solventborne metal primer DEVSHIELD 4130.

DIRECTIONS FOR USE

Tinting: White may be tinted with up to two oz./gal. of ICI Colorants.

Spreading Rate: Apply at 300-400 sq. ft./gal. (7-10 m²/L) or 2.0 mils dry (4.0 mils wet). Allow for normal application losses and surface irregularities.

Important: For best adhesion, maximum film thickness must be less than 5.0 mils dry. Overbuilding and/or dry spraying may cause poor adhesion and peeling.

Application: Mix well before use. Spray only. No thinning required. For airless spray use a .017" tip. Adjust pressure as needed. Do not apply in damp weather or when surface or air temperature is below 40°F (4°C).

Drying Time: At 77°F (25°C) and 50% R.H., dries to touch in 45 minutes and to recoat overnight. Dry fallout is 10 feet. Low temperature, high humidity, thick films or poor ventilation will increase these times and dry fallout distance.

Clean-up: Clean immediately with xylene.

PRECAUTIONS

DANGER! COMBUSTIBLE LIQUID AND VAPOR. HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD - CAN ENTER LUNGS AND CAUSE DAMAGE. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. OVEREXPOSURE MAY CAUSE LIVER, KIDNEY DAMAGE. CONTAINS CRYSTALLINE SILICA WHICH CAN CAUSE LUNG CANCER AND OTHER LUNG DAMAGE IF INHALED. WHEN TINTED, CONTAINS ETHYLENE GLYCOL WHICH CAN CAUSE SEVERE KIDNEY DAMAGE WHEN INGESTED AND HAS BEEN SHOWN TO CAUSE BIRTH DEFECTS IN LABORATORY ANIMALS. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. NOTICE: Products in this series may contain solvents. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. For emergency information call (800)545-2643. For additional safety information, refer to the Material Safety Data Sheet for this product. Keep away from heat, sparks and flame. Do not smoke. Vapors may ignite. Extinguish all flames, burners, stoves, heaters and pilot lights and disconnect all electrical motors and appliances before use and until all vapors are gone. If sanding is done, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use. **FIRST AID:** In case of skin contact, wash off **quickly** with plenty of soap and water, remove contaminated clothing. For eye contact flush **immediately** with large amounts of water, for at least 15 minutes. **Obtain emergency medical treatment.** If swallowed, **obtain medical treatment immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical help.** **Note: These warnings encompass the product series. Prior to use, read and follow product specific MSDS and label information.**

DS45-0597

SHIPPING

Freight Classification: Paint
Flash Point: 100°F (38°C)
Packaging: 5 gallons (18.925L)

Shipping Weight: 5 gallon pail - 69 lbs. (31.3 kg)

4380-XXXX (12/99)
 Ad Stock #68619A



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