

**DP****5050**

## WATER BASED WEATHER BARRIER COATING

**A water based, high strength, premium quality, quick drying weather barrier coating. It has low odor and contains NO VOC's. DP 5050 is a bright white color and has excellent brush and trowel properties.**

### Recommended Uses:

- May be used for coating fiberglass, polystyrene board, closed cell polyethylene and polyurethane foams in mechanical and industrial thermal insulation applications.
- May be used for bonding and coating of fiberglass mesh, canvas or other lagging fabrics over most types of thermal insulation.
- May be used as a protective coating over expanded polystyrene foam to prevent dusting and protect from many solvents (DP 5050 White).

### Features and Benefits:

- **LEED V4** Qualified
- **ZERO** VOC
- Indoor / Outdoor
- Smooth Finish/Easy Application
- High Strength and Durability
- Sag Resistant
- Water and UV Resistant
- Meets FDA, USDA, and EPA Standards
- Formulated to Meet Requirements of NFPA 90A & 90B, and ASTM E-84

### Directions For Use:

**Surface Preparation:** Surfaces should be clean, dry and free of loose impediments, dirt, dust, oil and any foreign matter.

**Application:** DP 5050 is a breather mastic and may be used in hot temperature applications. DP 5050 may be used in cold temperature or dual temperature service where the insulation system has an adequate vapor barrier.

DP 5050 may be applied by brush, trowel, or by hand with rubber gloves. For lagging jackets, apply a tack coat at a spread rate of 50 sq. ft. per gallon. Immediately embed the selected lagging material into the wet tack coat. Smooth out to avoid wrinkles and overlap seams by at least 2 inches. Apply a finish coat at a spread rate of 25 sq. ft. per gallon. Brush or trowel to a smooth surface. Test foil and paper facings for adhesion prior to application.

Exterior horizontal surfaces should be sloped to prevent pooling of water.

Protect from moisture until dry.

**Do not apply when rain or freezing temperatures will occur within 36 hours. Do not thin.**

### Technical Data:

**Color:** White or Gray

**Base:** Water

**Chemical Family:** Synthetic Latex

**Solids Content:** 66 ± 2%

**Viscosity:** Approx. 110,000 - 130,000 cps

**Application Temperature:** 40°F - 110°F

**Storage Temperature:** 40°F - 110°F

**Service Temperature:** -25°F - 200°F

**Freeze/Thaw Stability:** Do not allow to freeze

**Flammability:** Non-flammable wet or dry

**Flash Point:** No flash to boiling

**Shelf Life:** 1 Year (unopened containers)

**Cure Time:** 24 to 72 hours depending on humidity, temperature, and application rate

**Clean Up:** Use warm water and soap

**Permeance Rating:** Greater than 1 perm, ASTM E-96, 3/32 inch wet application

**Coverage:** Dependent on application and application thickness, 15-100 sq. ft. per gallon

**Packaging:** 1gallon pail, 2 gallon pail, 5 gallon pail

**VOC:** 0 g/l

ASTM E-84 SURFACE BURNING CHARACTERISTICS	
DP 5050 Weather Barrier Mastic applied to inorganic reinforced cement board	
Flame Spread: 15	Smoke Developed: 10
Test applied in two 2" wide strips 8" on center (coverage 16% of the exposed test sample area) at a spread rate of 50 sq. ft. per gal.	
Flash point of finished sealant, closed cup. No flash to boiling.	



**3301 W. Segerstrom Ave.  
Santa Ana, CA 92704  
Toll Free 800.641.0808  
Phone 714.432.0600  
Fax 714.432.0660  
www.designpoly.com**