

## THERMO-SHIELD® EXTERIOR WALL COAT

### DESCRIPTION

Thermo-Shield® Exterior Wall Coats are highly efficient flexible coatings, designed to protect and waterproof exterior walls. They are non-toxic, friendly to the environment, and form a monolithic (seamless) membrane that bridges hairline cracks. These water-based coatings are made from a pure acrylic resin system filled with microspheres. Thermo-Shield® Exterior Wall Coats can be applied by roller or airless sprayer. Thermo-Shield® Exterior Wall Coats put a stop to the "frequent painting cycle" – completely washable and resist many harsh chemicals. Our Exterior Wall Coats have "Variable Permeability" – they become watertight when saturated by water, and breathe away trapped water vapor when dry. These coatings offer UV protection and low VOC (<39.5g/L), display excellent dirt pick-up resistance and retain their flexibility long after aging. Thermo-Shield Exterior Wall Coat come in a variety of architectural colors and leave a beautiful matt finish.

### TYPICAL USES

For painting concrete, metal, wood, polymerized surfaces and reducing condensation.

### PRIMER

No primer is usually required. On old and porous masonry surfaces, a penetrating primer is recommended.

### SURFACE PREPARATION

All surfaces must be clean and free from laitance, dust, dirt, oil and grease. Minimally, surfaces must be cleaned to remove any loose or chipped paint, or any other foreign material prior to coating.

### THEORETICAL COVERAGE (2 Coats)

10.4 m<sup>2</sup> per gallon at 150 microns DFT (112 sf/gallon at 6 Mills DFT)

### DRYING TIME

To set: 45 minutes, To re-coat: 4 hours, To through: 12 hours – At 24 Deg °C (75 Deg F) and 50% relative humidity. Effective temperature range – 40 Deg °C (- 40 Deg F) to 204 Deg °C (400 Deg F)

### FLEXIBILITY

Coatings remain flexible at -35 °C – Eliminate thermal-shock damage – Maintain their strength at 204 °C), Will pass 180 Deg bend at 1.11 °C after 60-month exposure.

### MIXING

Stir each container thoroughly using low speed mechanical agitation to avoid air entrapment.

### THINNING

None required. Clean water in small amounts (up to 1.2 Litre to a bucket) may be added to replace evaporation losses or to adjust for spray equipment configuration. Caution: excessive thinning will cause the coating to lose adhesion and elasticity.

#### EQUIPMENT

Roller or airless spray application is recommended. Very small areas may be brushed. When Thermo-Shield® Wall Coats are applied by brush, three (3) coats cross-brushed are required for adequate protection.

#### Airless Spray:

|                    |                            |
|--------------------|----------------------------|
| Tip Orifice        | .031 inches                |
| Atomizing Pressure | 2200 – 2500 psi            |
| Fan Spread         | 60 degrees                 |
| Filter             | Remove filters and screens |

\*\*\* Prime pump with water before attempting to spray Thermo-Shield® Wall Coats.

#### METHODS

To assure adequate and uniform coverage, the “spray and back roll” or the “cross spray” techniques are recommended. Thermo-Shield® Wall Coats should be applied in full wet coats.

#### CLEAN UP

Clean all tools and equipment with warm soapy water. Rinse with clean water; flush mineral spirits through spray equipment to prevent rusting and to lubricate packing and gaskets.

#### PACKAGING & SHELF LIFE

5USG (18.9L) Buckets. Minimum 2 years (keep from freezing)

#### PRODUCT WARRANTY

##### 10-YEAR LIMITED WARRANTY

The sole remedy for goods not in conformance with any warranty is replacement of the product or return of purchase price. SPM Thermo-Shield INC, shall not be liable for any other damages, including but not limited to labor expenses.

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