



## 4.03 XPERT WP Thermo Shield

Highly Flexible, 100% Acrylic Emulsion Waterproof & Heat Insulation Coating

### PRODUCT DESCRIPTION

XPERT WP Thermo Shield is a rubberized latex copolymer formulation intended to waterproof/damp proof ICF (Insulated Concrete Forms). It can be used on both residential and commercial foundation walls. It prevents the penetration of water and other chemicals, and can bridge small cracks up to 1/16". XPERT WP Thermo Shield is intended to be applied to the exterior of the wall, but can also be applied to the interior as a decorative and moisture vapor-retarder coating. The product is pearl White in color and protects against moisture penetration through the foundation wall.

### TECHNICAL DATA

XPERT WP Thermo Shield is a single component liquid applied foundation coating that is non-breathable.

CATEGORY	PARAMETERS
<b>Rubberized Latex Copolymer</b>	
Non-Volatile Content	48 +/- 1%
Color	Pearl Gray
Flash Point	No flash Aqueous system
<b>Product Data</b>	
Drying Time	1-4 hours tack free, recoat 8-24 hours, full cure in 24-72 hours
<b>Resistance To</b>	
Abrasion	Good
Acid	Good
Alkali	Excellent
Humidity	Good
Petroleum Products	Poor
Weather	Good

### APPLICABLE STANDARDS

- ASTM D 96-80 Water Vapor Permeance, water method
- VOC: less than 50 grams per liter
- A.I.M Category: Waterproofing Sealer and Treatment, maximum VOC 600g/l.
- A.I.M. Definition: A coating that is formulated and recommended for application to a porous substrate for the primary purpose of preventing the penetration of water.

### APPLICATION PROCEDURES

**Preparation:** The material is ready to use. The contents should be stirred to eliminate any setting which may occur upon storage or shipping. A clean, dry surface is required. Excessively wide cracks and joints in the ICF forms should be caulked or filled.

**Application:** Apply in a uniform manner by airless spray at approximately 50 square feet per gallon, making certain to cover and fill all pinholes and seams. Use a .029 - .035 tip; remove all filters in the spray unit and gun. Although back-rolling is recommended, it is not necessary. If holes or cracks appear, a second coat is required. Do not apply when the temperature is below 45° F.

**Coverage:** One coat is sufficient; 45-50 square feet per gallon, 35-40 wet mil film. This will give a dry film of 12-14 mils. Any area where coverage is thin can be recoated. The wall can be back filled once the film is cured. No protection board is required, if carefully backfilled with granular material with no large and/or frozen chunks that will puncture the coating or foam form.

**Limitations:** XPERT WP Thermo Shield can be applied when the temperature is 45°F or above. Keep the product from freezing.

**Clean Up of Equipment:** Clean all equipment, tools and spills with soap and water before the material dries.

### PRECAUTIONS

Always review the MSDS before using any product. XPERT WP Thermo Shield contains latex resins and a minimal amount of ammonia. Excessive and prolonged inhalation may result in headache, nausea and eye or lung irritation.

**First Aid:** Ingestion: Induce vomiting and call a physician immediately. Eye Contact: Do not rub eyes, flush with clean water for 15 minutes. Skin Contacts: Remove the material by washing thoroughly with soap and water. If eye or skin irritation continues, obtain medical assistance.

### AVAILABILITY

XPERT WP Thermo Shield is available through XPERT distributors. Contact XPERT Products for the nearest distributor, Packaged in 55-gallon drums and 16kg pails.

