



# THERMO-SHIELD INTERIOR

## DESCRIPTION

Thermo-Shield® Interior Wall Coats are highly efficient, energy-saving, flexible coatings designed to insulate and waterproof your walls. They are non-toxic, friendly to the environment, and form a monolithic (seamless) membrane that bridges hairline cracks. They are completely washable and resist many harsh chemicals and dirt pick-up. These water-based coatings are made from an acrylic resin system filled with vacuumed ceramic micro spheres that acts as a thermally efficient blanket. Thermo-Shield® Interior Wall Coats can be applied by roller or sprayer. Thermo-Shield Interior® Wall Coats have 4 times the fire resistance and 1/26th the smoke development necessary to classify for Class I rating. They have superb adhesion; chemical resistance and reduces sound transmission and echo. They help maintain a more uniform temperature ceiling-to-floor and reduces cold weather heat loss through walls and ceilings. These coatings come in a variety of architectural colors and leave a beautiful satin finish.

## TYPICAL USES

For regular indoors painting where durability, reduction of the noise factor and superb smoke protection are important. Thermo-Shield® Interior Wall Coats reduce condensation and help maintain an even level of comfort in the room.

## INSULATION

Reflectivity 89% - Emittance 94% - Conductance 0.06 W/mK – Endothermic Effect®

## PRIMER

No primer is usually required. Follow instructions for proper application and film build-up

## SURFACE PREPARATION

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

## COLOR

Tinting may be achieved with Thermo-Shield® Interior Wall Coatings by the addition of universal colorants. Darker colors will give a correspondingly lower reflectivity.

## PERCENT NON-VOLATILE:

46.61% by VOLUME / 49.77% By weight

## THEORETICAL COVERAGE

(To be applied in 2 coats)

10.4 sm. Per gallon at 150 microns DFT with no loss. (130 sf/gal at 6-mills DFT)

## DRYING TIME

To set: 20 minutes

To re-coat: 4 hours

To through: 12 hours

(At 24 deg C and 50% relative humidity)

## THINNING

None required. Clean water in small amounts (up to 0.24 Liter –1 cup- per gallon) may be added to replace evaporation losses or to adjust for spray equipment configuration. Caution: excessive thinning will cause the coating to loose adhesion and elasticity.

## EQUIPMENT

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

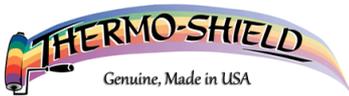
## AIRLESS SPRAY:

Tip Orifice	.031 inches
Atomizing Pressure	2200 - 2500 psi
Fan Spread	60 Degrees
Pump	Minimum 1 gallon per minute at 2500 psi
Filter	Remove filters & screens

\*\*\* Prime pump with water before attempting to spray Thermo-Shield® Wall Coatings. Acceptable equipment includes Binks Super Hornet, Graco 433 or larger, and many others.

## METHODS

To assure adequate and uniform coverage, the “spray and back roll” techniques are recommended – spray all coats in the same direction, do not cross spray to avoid showing undulations and other small imperfections in the walls. Thermo-Shield® Interior Wall Coats should be applied in full wet coats.



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## CLEAN UP

Clean the 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

Five-gallon pails.

## APPROXIMATE SHIPPING WEIGHT

Net weight per gallon	4.55 kg (10 lbs)
Five-gallon pail	23.63 kg (52 lbs)

## STORAGE

Minimum 0 Deg. C                      Maximum 30 Deg. C DO NOT FREEZE

## SHELF LIFE

Minimum 2 years (keep from freezing)

## SETA FLASH POINT

Non-Flammable (water based)

## DOT CLASS

not regulated

## PRODUCT CODES

INTERIOR WHITE: 5977 INTERIOR/Interior ACCENT BASE: 5964

**WARRANTY:** 5-YEAR LIMITED WARRANTY

**Thermo-Shield® is a trademark of SPM Thermo-Shield since 1987 in the US and in the UAE since 2011.**

[www.thermoshield.me](http://www.thermoshield.me)

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