



INTERIOR WALL COAT

DESCRIPTION

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

INSULATION

Reflectivity 89% Emittance 94% Conductance 0.06 W/mK

TYPICAL USES

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

PRIMER

No primer is usually required but it is recommended over gypsum board. Follow instructions for proper application and film build-up.

SURFACE PREPARATION

All surfaces must be clean and free from laitance (efflorescence), 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 coating.

COLOR

Tinting may be achieved with Thermo-Shield® Interior Wall Coat by the addition of universal colorants.

PERCENT NON-VOLATILE

46.61% by VOLUME / 49.77% by weight

DRYING TIME

To set: 20 minutes To re-coat: 4 hours To through: 12 hours
At 24 Deg C (75 Deg F) and 50% relative humidity



THINNING

None required. Clean water in small amounts of up to 0.24 Liter per gallon (1 cup) 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 Coat is applied by brush, three (3) coats cross-brushed are required for adequate protection.

Airless Sprayer:

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® Interior Wall Coat.

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. Do not cross spray - each coat should be sprayed in the same direction to avoid showing undulations and other imperfections in the walls. Thermo-Shield® Interior Wall Coat should be applied in full wet coats.

CLEAN UP

Clean 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

One and five-gallon pails. Lined 55-gallon drums.

APPROXIMATE SHIPPING WEIGHT

Net weight per gallon 4.55 kg (10 lbs)

Case of 4 1-gallon cans 19.96 kg (44 lbs)

Five-gallon pail 23.63 kg (52 lbs)

55-gallon drum 273.52 kg (603 lbs)

STORAGE

Store at minimum 0 Deg C (32 Deg F) - maximum 30 Deg C (86 Deg F) Do not freeze

SHELF LIFE

Minimum 2 years (keep from freezing)



SETA FLASH POINT

Non-flammable

DOT CLASS

Not regulated

PRODUCT CODES

INTERIOR WHITE: 5977 – INTERIOR ACCENT BASE: 5963

WARRANTY

15 years

EXCLUSIVE REMEDY

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

