



CLIMATE-SHIELD® INTERIOR INTERIOR WALL COATING

DESCRIPTION

Climate-Shield® Interior is highly efficient, energy-saving, flexible coating, designed to insulate and waterproof your walls. The coating 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. Climate-Shield® Interior water-based coating is made from an acrylic resin system filled with vacuumed ceramic micro spheres that act as a thermally efficient blanket. Climate-Shield® Interior can be applied by roller or sprayer.

Climate-Shield® Interior 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 reduce sound transmission and echo. Climate-Shield® Interior helps maintain a more uniform temperature ceiling-to-floor and reduces cold weather heat loss through walls and ceilings. The coating comes in a variety of architectural colours and leaves a beautiful matt finish.

INSULATION

Reflectance 89%, Emittance 94%, Conductance 0.06 W/mK

TYPICAL USE

For regular indoor painting where durability, reduction of the noise factor and superb smoke protection are important. Climate-Shield® Interior reduces condensation and helps maintain an even level of comfort in the room. Used in most climatic conditions. It has superb fire resistance, chemical resistance and is non-toxic, safe and washable.

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 chipped paint, or any other foreign material prior to coating.

COLOURS

White and any custom colour available. Darker colours will give a correspondingly lower reflectivity.

THEORETICAL COVERAGE (2 Coats)

10.4 m² per gallon at 150 microns DFT (112 sf/gallon at 6 Mills DFT)

V.O.C.

0.33 lbs / gallon

39.5 grams / liter

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

Effective temperature range – 40 Deg C (- 40 Deg F) to 204 Deg C (400 Deg F)

THINNING

None required. Clean water in small amounts of 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 lose adhesion and elasticity !!!

EQUIPMENT

Roller or airless spray application is recommended. Very small areas may be brushed. When Climate-Shield® Interior coating 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 and screens

Prime pump with water before attempting to spray Climate-Shield® Interior.

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. Climate-Shield® Interior 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

22,7 kg / 19 l

STORAGE

Minimum 1 Deg C (33.8 Deg F) – Maximum 30 Deg C (86 Deg F).

DO NOT FREEZE

SHELF LIFE

Minimum 2 years (keep from freezing)

SETA FLASH POINT DOT CLASS

Non-Flammable (water based) Not regulated

PRODUCT WARRANTY

10 years