CLIMATE system

INTERIOR

TERMOREFLEXIVE COATING **CLIMATE SYSTEM INTERIOR**

✓ Insulating	✓ Washable	✓ Colour fast
✓ Incombustible	✓ Antialergic	✓ Vapour permeable
✓ Cost-saving	✓ Ecological	✓ Againts mildew and mould

DESCRIPTION
Climate System® 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 System® 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 System® Interior can be applied by roller or sprayer.
Climate System® 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 System® 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 System® 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

Climate System s.r.o.
Šlikova 287/20, Prague 169 00   www.climatesystem.cz
Czech Republic

+420 724 256 075
zakaznici@climatesystem.cz

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 System® 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 System® 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 System® 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

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