

- Reduces thermal transmittance
- Reflects 82 % of sun's ray
- Covers and structures with only one coat of paint
- Dries quickly and practically odorless
- Suitable for interior and exterior coating
- Easy to apply and clean

The same space age technology used by the NASA in the development of the ceramic tiles of Space Shuttle was also used for the development of Plastherm® Coating. Ceramic pearls contain in Plastherm® Coating have the same absorbing properties as ceramic tiles which protect the Shuttle from the big heat influence during re-entry into earth atmosphere. When applied to a variety of surfaces, Plastherm® Coating builds up a thermal barrier, which helps to keep the indoor temperature warmer in winter and cooler in summer.

· **Reduces heat transmittance**

Special ceramic beads give Plastherm® Coating its heat absorbing capabilities. These tiny beads are distributed generously throughout the coating. Each bead captures heat and helps to reduce heat transfer.

· **Reflects 82% of sun's rays**

When used on exterior surfaces, Plastherm® Coating effectively protects against the damaging rays of the sun. The white color reflects up to 82 % of the sun's rays, so buildings stay cooler in summer and warmer in winter.

· **Covers and structures with only one coat**

Applied with a structural roller, Plastherm® Coating eliminates the need for separate structuring and coating. Small ceramic pearls ensure an attractively structured surface as well as the insulating effect and the thick latex base ensures a long-lasting and resistant protection.

· **Dries quickly practically odorless**

On well-ventilated interior surfaces or outside surfaces, Plastherm® Coating dries in about 30 minutes. Coated areas can be used within a short time. In addition, Plastherm® Coating produces a mild, fresh aroma during application. No noxious fumes. No unpleasant after-smell.

· **Suitable for interior or exterior use**

An application on interior walls Plastherm® Coating helps to reduce heating costs. It covers up hair cracks and smaller defects on walls and ceilings, and provides superior adhesion and durability. When applied outside to brick, wood, metal or masonry surfaces, Plastherm®

Coating withstands harsh punishment in a variety of climates. It is resistant and durable, yet aesthetically pleasing.

· **Easy to apply and cleaning**

Plastherm® Coating is applied with a structure or paint roller. It is delivered ready to use and has only to be stirred before coating. Because Plastherm® Coating is a coating based on latex, rollers and other tools can be cleaned up with a mild cleansing agent and water.

Application Instructions

Preparation: New or old surfaces must be clean and free of oil, dirt, grease and loose particles. Remove loose flaky paint and clean the surface thoroughly. Firstly prime all bare surfaces.

Application: Stir thoroughly before applying. Plastherm® Coating can be thinned sparingly with water if necessary. However, it needs to be applied as a thick coat to obtain maximum resistance to heat transfer. One coat provides effective coverage on most surfaces. Keep container closed. According to the wished cover and effect 2 coats can be necessary. Please close the container after use.

Consumption: Application quantity varies depending on structure and porosity of surface. Smooth surfaces normally need a smaller quantity.

Application quantity: 460-680 g/m².

Do not work at temperatures below 13 °C or above 60 °C.

Specifications

Characteristics:

| | |
|------------------|---------------------------------------------------------------|
| Color: | white |
| Layer thickness: | 0,58 mm (at an application quantity of 600 g/m ²) |
| Weather-proof: | good in all climates |
| Application: | paint or structure roller |

Physical Requirements:

Specifically Density (at 25 °C/ m³): 1,02 g
Brookfield Viscosity at 25 °C: 30.000 cps.
(stem number 6 at 20 revolutions per minute)

Total Solids: 64,2 % by wt.

(1g/4hrs/104 °C)

Part of ash:

37,5 % by wt.