

DESCRIPTION

Johnstone's Silicone Mineral Thin Coat Render is a high performance, fast set, cement based and polymer modified through coloured mineral thin coat render that can be applied at low temperatures. Combined with high performance nano silicone, cross-linked polymer technology, Johnstone's Silicone Mineral Thin Coat Render is highly weather resistant and highly vapour permeable providing the perfect solution to façade protection in colder application climates.

RECOMMENDED USES

Specially developed finishing coat for render and external wall insulation systems.

COLOUR RANGE

White, Ivory, Princess Grey, Mushroom, County Cream.
Can be over painted with Johnstone's Silicone Masonry Paint to add deep colour.

COVERAGE

Approx. 10m² per bag @ 1.5-2mm thick, not taking into account waste and uneven substrates.

DRYING TIME

Setting time – 2 to 3 hours
Ready to finish – 10 to 40 minutes

*PLEASE NOTE:

Weather conditions for application and drying are critical. Do not apply if frost is forecast within 24 hours, in wet conditions or when humidity is above 95%, in temperatures below +0°C or above +25°C. Weather conditions must be as specified above both during application and for a minimum of 24 hours after application. Do not apply to elevations which are hot (at or above 30°C) or below +0°C, and on elevations in direct sunlight.

Johnstone's Stormshield Silicone Mineral Thin Coat Render must be protected against heavy rain, direct sun or wind in the first 24 hours after application. Sheeting the façade or the scaffold is advised to protect against this.

Drying times rebased on controlled test in normal conditions. These may vary considerably depending upon atmospheric conditions.

POT LIFE

30-60min+ (Dependant on temperature)

TRANSPORTATION & STORAGE

When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

SIZE

25kg

PREPARATION

All surfaces must be sound, clean, dry and free of any material which may impair adhesion. Do not apply to shiny surfaces. Scaffolding must be independently tied to allow for uninterrupted application. Any faults in the structure, particularly those which may lead to moisture penetration, must be rectified. Mask around the areas where material is to be applied. Masking tape must be removed before the material has dried out. Beads and expansion joints should be included as required by the substrate and BS standards and carried through all applied materials.

PREPARATION *continued*

Suitable specification clauses, including specification for difficult or mixed substrates are available from PPG's Technical Advisory Department. Only to be applied over Johnstone's Stormshield High Performance Basecoat.

Johnstone's Silicone Mineral Thin Coat Render is a two part material therefore, to activate remove part B from mixing tub and then pour part A into the mixing tub ensuring that part A has been shaken well before pouring. Once part A has been poured into the mixing tub, add part B, and mix with a suitable paddle mixer. Mix for 2-3 minutes, allow standing for 2-3 minutes then re-mix. This process allows the additives to dissolve and activate.

APPLICATION

Apply onto Johnstone's Stormshield High Performance Basecoat reinforced with mesh cloth. To maintain colour consistency, panels should be completed in sequence around the building, and where possible, in the same batch numbers. To avoid dampness and discoloration, rendering should be avoided below DPC or within 150mm of ground level. To apply the material use a stainless steel trowel or suitable spray equipment, use the size of the aggregate to gauge the thickness of the render when applying to the substrate, this means pushing the float down onto the substrate to ensure excess thickness is removed before float finishing. Once the render is applied finish in 10-40min dependant on temperature. In warm weather finishing will be required quicker than in cold conditions. Finish with a plastic float working the material in small circular motions, this will create a natural random surface.

Ensure mixing additive is cool and has not been stored in heat. Scrape and skip previous mix of render from the mixing pan before mixing fresh batch. Ideally mix only 25kg of material at a time or not more that can be used within 30 minutes. Mix powder with additive for minimum of 2-3 minutes (this will allow the retarder to dissolve in water), leave to stand for 2-3 minutes and remix again – cutting the mixing time will result with shorter working time.

It's important to note that Johnstone's Stormshield Silicone Mineral Thin Coat Render may stiffen on standing. Re-mix the product to regain a workable consistency but do not add any more water.

*PLEASE NOTE:

In times of hot weather and high winds this product requires water to allow the binder to hydrate efficiently. Without moisture curing, water in the mix is lost to evaporation into the air and to absorption into the substrate. Soaking the substrate first with clean cold water reduces absorption into the substrate and also puts water back into the system, which will increase the open time of the product for finishing. In very hot conditions once the product has been finished and is starting to pick up, spraying the surface of the product with a fine mist of clean cold water will replace the lost water been evaporated by the heat, and allow the binder to hydrate efficiently ensuring a fissure free finish, continue doing this every 20min until the temperature or winds reduce down and product finally cures. In excessively hot periods moist mist curing should be completed several times per day evenly over the wall for a couple of days, or longer if very windy, dry and hot, keeping in mind that excessive watering can result in increased colour differences.

CLEANING

All equipment must be washed with clean water immediately after use. Waste material should not be emptied into drainage systems.

PRECAUTIONS

PART A (LIQUID)

Danger

Causes serious eye damage

- Hazardous ingredients: Isotridecanol, ethoxylated
Contains reaction mass of 5-chloro-2-methyl-4-isothiazolin-3-one (EC no.247-500-7) and 2-methyl-2H-isothiazol-3-one (EC no.220-239-6) (3:1) and octhilonone (ISO). May produce an allergic reaction.
- Safety data sheet available on request.
- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Do not get in eyes, on skin, or on clothing.
- Wear eye or face protection.
- Wash hands thoroughly after use.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
- Dispose of contents/container to a waste disposal site in accordance with local/national regulations.
- Stored locked up.

PART B (POWDER)

- Safety data sheet available on request.
- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Avoid breathing dust.
- Do not get in eyes, on skin, or on clothing.
- Wear eye or face protection.
- Wash hands thoroughly after use.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
- Dispose of contents/container to a waste disposal site in accordance with local/national regulations.
- Do not breathe spray. Wear respiratory protection.