

Product Data Sheet – TC-PD-007

Product : Insul-Rend

Description

Insul Rend is a cement based and polymer modified self-coloured render system, which is designed to provide a cost effective textured finish.

Use

Insul Rend may be hand or machine applied and may be used over Insuletics Basecoat Renders/

Coverage/Thickness:

Typically – 2kg per mm thick per sq metre. Required 20-24kg per square metre approximately. Insul-Rend is also designed as a one-coat finish over block work. It is applied to a 16mm thick, possibly in two passes and scraped to produce a uniform texture, thus saving labour and scaffold time.

Colour

- 50mm samples from an extensive range are provided on request
- A site sample panel is recommended to ensure that the specifier is satisfied with the render colour and texture
- Insuletics materials are manufactured from natural products and slight shade variations may occur

Application

- Mix thoroughly for at least ten minutes to break down additives
- Add 4-5 litres of clean water per 25kg sack. Apply by hawk and trowel 10-16mm depending on background and number of coats. Obtain a flat finish by using long darbys or spatula
- Insul-Rend may be applied using an electrically powered spray machine (e.g., M-Tec M300)
- Do not polish
- Small areas such as quoins and window reveals may be finished smooth

Finishes

Textured finish

- To achieve a textured finish, scraping should take place when the render has set but not hardened. The exact timing of this operation will vary according to the weather conditions
- The surface is ready when a thumb impression cannot be made and when the aggregate scrapes easily
- Scraping should be done in a tight circular motion and the surface brushed down with a soft brush upon completion
- All areas must be scraped at the same stage of readiness as early scraping will result in darker shades and late scraping in lighter shades
- A uniform approach is essential to achieve an even finish

Ashlar Cutting

- Having scraped the surface level, an ashlar effect may be achieved by cutting into the surface with an ashlar cutter to form grooves
- Leave a minimum 10mm of coloured Insul-Rend between the recessed ashlar cut and the substrate
- When forming cuts, take care to avoid damage which arises by working away from the external corner
- All cuts must be the same width and depth and set out uniformly as required.

Angles

Angles may be formed using angle and stop beads – stainless steel or PVC. Angles may also be formed using chamfered battens.

Expansion Joints

Render expansion joints must follow structural movement breaks. For other expansion joints refer to BS5262

Site conditions:

Insul-Rend should only be used when the temperature is between 5°C to 35°C. Insuletics renders must not be applied to frozen or thawing supports. If the coating must be applied in adverse weather conditions, it is essential to protect both the working area and finish before and after application.

Cleaning

All equipment should be cleaned with water after use. Set nibs from the mixer can cause problems. Residue must not enter drainage systems.

Packing

- Insuletics renders are usually packed 40 sacks per tonne, loaded 70 per 1.75 tonne pallet
- All render sacks must be protected on site
- Shelf life is approximately one year in dry conditions in original packaging

Company/undertaking identification

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