

VARAREND PRE-MIXED RENDERING SYSTEM

DESCRIPTION

VARAREND is a pre-mixed render based on cement and specially selected fibres and carefully selected aggregates. **VARAREND** is supplied as a pre-mixed powder and only requires the addition of water for mixing and use. **VARAREND** is available in four types.

1. VARAREND – BACKING COAT

Is a backing coat for blocks, bricks, dense concrete and expanded metal lath or rib lath.

2. VARAREND – FINISHING COAT

Is a finishing coat for use with backing coat.

3. VARAREND – COLOUR COAT

Is a textured decorative finish available in a range of colours.

4. VARAREND – WHITE

Is white cement based backing coat and finishing coat.

INFORMATION SOURCES

BS 5262 Code of practice for external rendering.

BS 5492 Code of practice for internal plastering.

THICKNESS OF RENDERED COATS

Generally the thickness of a two coat render system is a minimum of 12mm. The minimum thickness for a three coat render system is 18mm. The number of coats is dependent on the exposure conditions to which the render is subjected to and the surface to which it is applied. **VARAREND** is generally applied as a two coat system in sheltered or moderately exposed areas and a three coat system in exposed areas or when applied onto metal lath.

SPECIFICATION CLAUSES

- **Location:** As shown in the Architect's drawing.
- **Background:** Structure will normally be based on concrete blockwork or brickwork of clay, concrete

or calcium silicate. Soffits will normally be dense concrete or suspended stainless steel rib lath. Other backgrounds may be specified at the Architect's discretion.

- **Preparation:** Remove all loose dust and other surface contaminants. All existing render and paint must be removed. All mortar joints should be raked lightly to provide a key. Where necessary consolidate and seal using **VARABOND SBR** externally, according to the manufacturer's written instructions. On dense impervious concrete, apply **VARABOND SBR** slurry coat. Refer **VARABOND SBR** technical data sheet for details. Expanded metal and rib lath should be fixed in accordance with the manufacturers written instructions.
- **Backing Coat:** When dubbing out is necessary to level surfaces use **VARAREND - BACKING COAT** up to 12mm thick except for small localised areas. The dubbing coat should be mainly thicker than the backing coat to follow and should be adequately cured.
- For a brick, block or dense concrete background, use a 6-10mm coat of **VARAREND - BACKING COAT**. If a three coat system is specified, let the first coat cure for several days and then apply a thinner second coat, at least 6mm thick. For rib or expanded metal lath, use **VARAREND - BACKING COAT**. Apply the first backing coat to a minimum 9mm thickness such that the coating is at least 6mm clear of the face of the lath, allow the coat to cure for several days and then apply a second backing coat, minimum 3mm thick.
- **Finishing Coat:** Finishing coats should only be applied when the backing coats have had sufficient time to cure and provide the necessary suction. **VARAREND - FINISHING COAT** should be applied in a uniform 3-10mm thick layer with a laying trowel. If a plain finish is specified, this

should be achieved by rubbing up with a wooden or sponge faced float.

- **Colour Coat:** It is normally applied as a finishing coat of 3 to 5 mm thickness when applying **VARAREND – COLOUR COAT** to large areas, dry blend several bags before use. Mix five parts of powder with two parts water and mix to a creamy consistency. Do not mix more than can be used in one hour.

It is recommended that **VARAREND – COLOUR COAT** is mixed mechanically for a period of five minutes to ensure the correct dispersion of the additives. A suitable mask should be worn during the mixing process. **VARAREND – COLOUR COAT** is applied using a simple hand operated machine. Three passes should be made with the machine to build up the texture. One pass full on to the wall, second pass at 45° to the left, and the third pass 45° from the right.

Cement materials are susceptible to lime bloom when subjected to adverse weather conditions. In winter conditions (cold, wet, windy) it is advisable to use **VARAREND – White** to minimise this effect. **VARAREND – COLOUR COAT** is available in a range of colours such as Light Grey, Cream, Pink, Light Orange, and Beige etc. Colour samples are available on request.

- A good plain finish requires a high standard of workmanship, over working should be avoided and water should not be applied to the surface of the finishing coat. If a textured finish is required, this can be achieved by working the surface of the freshly applied coat.
- **VARACOAT PU** a two component exterior durable polyurethane coating may be used over **VARAREND – COLOUR COAT** to provide better resistance to water, rain penetration and abrasion.
- **VARASEAL 220** may be used over **VARAREND – COLOUR COAT** to provide better exterior durability, water repellency and reduced water absorption while still allowing breath ability.

GENERAL REQUIREMENTS FOR WORKMANSHIP

Workmanship should comply with the relevant sections of BS 8000 Part 10 and NBS M20 Clause 410.

APPLICATION

It is recommended that **VARAREND** is mixed mechanically for a period of five minutes to ensure the correct dispersion of the fibres and additives. Allow to stand for a further two minutes to ensure correct workability has been achieved. A suitable mask must be worn during the mixing process.

Application of the first backing coat is best carried out in two operations, firstly apply a thin 'tight' layer and quickly follow this up with a second layer to make up the specified thickness.

If the backing coat is to receive a hand applied finish coat, with the exception of **VARAREND – COLOUR COAT**, it should be scratched to provide a key once set.

Ensure all coatings are not less than the specified thickness and are of even and consistent appearance, free from rippling hollows and ridges. The maximum dimension in any direction between joints should be in accordance with BS 5262: 1991.

CURING

It is essential that a newly rendered surface be prevented from drying out too rapidly. Depending on the weather, adequate curing of backing coats can be achieved by lightly spraying the render with water and protecting it from adverse conditions. Adequate curing of a final decorative coat should be more stringent with consideration given to applying a curing membrane such as **VARACURE P**. For further information, refer to NBS clause M20 and **BS 5262: 1991**.

AVAILABILITY

All types of **VARAREND** renders are available in 25 kg bags.

CONDITIONS OF USE

Colour tone and texture appearance can vary naturally according to product nature, substrate, surface finish and orientation. In accordance with good site practice a sample trial panel must be completed onto the required substrates to ensure that colour, texture and finish are to the requirements and satisfaction of the client prior to commencing full application. The final finish quality of this material will depend upon the operative having the required skills and a familiarity with the material and its application methods. **AKARSH** cannot be held responsible for product failures where workmanship errors have occurred.

HEALTH & SAFETY

Contact between cement powder and body fluids (eg sweat and eye fluids) may cause irritation, dermatitis or burns. Cement is classified as an irritant under the Chemicals (Hazard Information and Packaging) Regulations a suitable mask must be worn during the mixing process.