



SpECcoat CR

ONE COAT DECORATIVE RENDER

DESCRIPTION

SpECcoat CR is a self-coloured, cementitious render which has equivalent properties to mix designation III as described in BS 5262. It is supplied as a blend of dry powders for one coat application by hand tools or spray machine, which requires only the addition of clean water to provide a durable, low maintenance render.

The one-coat application reduces time and labour requirements on site. It contains carefully selected and blended raw materials and is factory controlled to give a consistently high quality product.

TYPICAL USES

SpECcoat CR is suitable for internal and external use.

ADVANTAGES

- Excellent weather resistance and durability
- Excellent adhesion and full weatherproofing
- Fire resistance
- Easy application
- Low maintenance render

RELEVANT STANDARDS

BS 5262: Code of Practice for External Renderings

BS 8000: Workmanship on Building Sites, Part 10, Code of Practice for Plastering and Rendering.

APPEARANCE

Available in a range of colours and can be finished with a variety of surface textures including light to heavy roughcast (when machine applied) or a scraped finish. When scraped, Ashlar, stone or other decorative effects can easily be marked into the surface. Alternatively, it may also be dashed with a suitable aggregate.

APPLICATION

Surface preparation

All surfaces must be sound, clean, suitably dry and free of any material, which may impair adhesion.

Arrises and feature stops may be formed using clean straight timber battens. Alternatively, suitable beads may be used but, with a scraped finish, these will be evident and must be accepted as a feature. Please note that scraped renders may, during the scraping process, tend to spall away from the nose of some angle beads. Refer to **SpEC Technical Department** for

advice on suitable profiles.

Mask as required. Edging tape must be removed before the material has dried.

Expansion joints should be included as required by the substrate and carried through all applied materials.

Scaffolding must be independently tied to allow for an uninterrupted application. Any faults in the structure, particularly those which may lead to moisture penetration must be rectified.

To avoid dampness and discolouration, rendering should be avoided below DPC and within 150mm of ground level.

Suitable surfaces

SpECcoat CR can be applied to most substrates including brickwork, blockwork and concrete suitably prepared to receive a render.

Do not apply to gypsum plaster or previously painted surfaces.

Poorly keyed surfaces, for example smooth concrete, or substrates of uneven or high suction should be prepared with **SpECcoat CR-AID**.

Mixing

SpECcoat CR should be mixed with clean water at a rate of approximately 9-10 litres per 50kg bag using either a suitable render spray machine, drill and whisk or tumble mixer. For best results, use as little water as possible and mix to give a workable consistency.

Note: SpECcoat CR may stiffen on standing. Remix product to regain a workable consistency but do not add any more water.

To ensure colour consistency, the material required for complete and adjoining panels should be of the same batch number or be thoroughly mixed together before use.

Roughcast

A first pass is applied to a minimum thickness of 10mm and ruled level. A second texture pass is applied between 1 and 16 hours after the first to form a single

monolithic coat. Total finished thickness should be between 15 and 25mm.

Scraped finish

SpECcoat CR should be applied to the backing in a one-coat operation to a minimum of 18mm and maximum of 28mm applied thickness. (2-3mm will be removed by the scraping process to give a finished thickness of minimum 15mm, maximum 25mm). It should then be ruled level and allowed to harden for between 5 and 16 hours. (Sometimes a longer period may be necessary depending on weather and background conditions).

When **SpECcoat CR** is "green" (set but not fully hardened) it should be scraped in circular motions using a **SpEC Scraping Tool**. It is essential that this is done carefully and evenly, ensuring all laitance is removed and that no part is missed. Thoroughly brush down the surface of the scraped finish using a soft bristle brush.

Ashlar

When Ashlar detailing is required, setting out and cutting is done immediately following the finishing process. The use of a suitable datum and a chalk line is strongly recommended when setting out. To maintain the minimum recommended thickness, an overall finished thickness of 25mm will be required for a 10mm deep cut and 20mm for a 5mm deep cut.

Dashing

A pebble dash finish can be achieved by applying a single coat of **SpECcoat CR** to a minimum thickness of 15mm, ruling level followed quickly by dashing a suitable aggregate into the surface before it has begun to set.

SpECcoat CR will set and gain hardness in a similar manner to conventional renders.

Site conditions

Do not apply in rain or temperatures below 5°C or if exposure to these conditions is likely during setting and curing.

Protection

Protection from unfavourable weather conditions should always be provided during application and early age curing.

CURING

Constant curing with a fine spray of clean water may be necessary during rapid drying conditions. In hot climates, curing as above is essential for 3-5 days after application.

EQUIPMENT CLEANING

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

PACKAGING & YIELD

SpECcoat CR is supplied in 50kg bags with a coverage rate of 1.67kg/m² for every mm of thickness required. To achieve a finished thickness of 15mm, coverage is approximately 40m²/tonne.

Note: *These estimates take no account of wastage and may vary according to the type of surface involved.*

STORAGE & SHELF LIFE

SpECcoat CR being cement based, is not susceptible to frost in transit or storage. Store undercover in dry conditions.

HEALTH & SAFETY

Cement powder mixed with water is abrasive and alkaline, therefore **SpECcoat CR** adhering to the skin should be removed as soon as possible – delay may cause skin irritation, dermatitis or burns.

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Whilst the information and/or specifications given are, to the best of our knowledge, true and accurate, no warranty is given or implied in any connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and labour involved are beyond our control.

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