

# DRYVIT BRICK EFFECT RENDER

Ready to use polymer modified cementitious render, used to create a brick effect finish



DUK 933



## PRODUCT DESCRIPTION

Dryvit Brick Effect Render is a ready to use blend of polymer modified dry powders which require the site addition of potable water to produce a high performance product. Silicone modification imparts excellent water repellency from the render surface, whilst still allowing the through passage of water vapour. The system is applied in two different coats – the mortar coat and face coat – with the top coat being cut through to expose the mortar coat, creating the full brick and mortar joint effect. The product has been formulated to have excellent workability and open time properties and is available in a range of typical brick colours.

## FEATURES & BENEFITS

FEATURE	BENEFIT
• Polymer modified	Excellent adhesion to substrate
• Water repellent	Weather resistant
• Available in a choice of face colours	Cost-effective alternative to bricks
• Factory produced ready blended product	Quick and easy mix with water
• Anti-efflorescence	No white surface staining
• Vapour permeable	Allows vapour transmission

## TYPICAL SUBSTRATES

- External wall insulation system base coats
- Traditional render
- Brick
- Concrete block
- Lightweight block or aerated autoclaved concrete

## USES

Brick Effect Render finish is suitable for use on external wall insulation systems or solid substrate applications.

## COLOURS

Dryvit London Stock, Dryvit Brick Red, Dryvit Mahogany Red, Dryvit Brick Orange, Dryvit Shadow Grey, Dryvit Sand Grey. Special colours also available.

## PACKAGING

25 kg moisture resistant bags.

## COVERAGE

1.8 kg/mm thick/m<sup>2</sup>

Mortar coat 1.8 - 5.4 kg/m<sup>2</sup> approx for 1-3 mm thickness.

Face coat 1.8 - 3.6 kg/m<sup>2</sup> approx for 1-2 mm thickness.

**Note:** The actual yield per bag will depend on the consistency of material mix and application thickness. Estimates for mortar and face coats takes no account of wastage. Coverage may vary according to the type of surface involved and allowance must be made for uneven and misaligned substrates when ordering materials.

## SPECIFICATION

Specification clauses relating to this product can be found in NBS sections M21 Insulation with Rendered Finish and M20 Rendering. BS 5265 Code of Practice for External Rendering and BS 8000-10 must be followed. Please consult Dryvit UK Ltd.

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## PREPARATION

All surfaces must be sound, clean, dry and free of any contamination such as oil, paint, corrosion deposits or algae which may impair adhesion. Do not apply Dryvit Brick Effect Render to smooth or shiny surfaces and if applying to EWI render ensure base coat receives a light brush finish to create a key. For non- EWI render substrates ensure all cracks, spalling or faults which may lead to moisture penetration are rectified prior to commencing rendering work. Poorly keyed surfaces or substrates of uneven or high suction should receive an application of Dryvit Prymit®. Scaffolding must be independently tied to allow for uninterrupted application. Protect the surrounding area to where render is to be applied with masking tape and remove it before the render dries. Beads & expansion joints should be included as required by the substrate and carried through all applied materials. Suitable specification clauses, including specifications for difficult or mixed substrates are available on request.

**Note:** Always apply a test panel for approval by the client, specifier, main contractor or other interested party prior to commencing any project.

## MIXING

Carefully measure 5.0 – 6.0 litres of water into a plastic bucket for one 25 kg bag. Slowly add powder and using a slow speed drill (400-500rpm) and paddle mix for 5 minutes until homogeneous. Allow to stand for 5 minutes then re-mix. Note: The render may stiffen on standing. Re-mix the product to regain a workable consistency, but DO NOT add more water.

## APPLICATION METHOD

To maintain colour consistency, areas should be completed in sequence around the building out of direct sunlight. To avoid dampness and discolouration, rendering should not bridge the DPC and should be commenced at least 150 mm above ground level.

**Mortar coat** – Apply 1-3 mm and level to achieve a flat plane surface, but take care not to over work the surface. Allow to stiffen “take up”, but not set.

**Face coat** – After the mortar coat has stiffened, apply the face coat at approximately 1-2 mm and immediately lightly texture the face coat with a soft bristle brush to create a brick surface effect. Leave to stiffen, but not set, for between 30-120 minutes dependent on drying conditions. Once stiffened use a gauging tool to mark up the brick courses and with a long straight edge, spirit level and cutter carefully cut through the render to create the horizontal joints (generally a two person job). Push the cutter back to the hard Primus M base coat or host substrate to give a consistent mortar joint. Mark and cut out the vertical joints in a similar manner to complete the brick effect finish. Once all cuts have been made lightly brush any excess material from the joints taking care not to mark the render surface.

**Note:** Experience and climatic conditions will dictate the best time for cutting of the face coat to form the joints, too soon and the cutter will rag and tear the render and too late and it becomes difficult then impossible to cut. Plan ahead and take time and care when cutting joints. Do not hurry as mistakes will be visible and time consuming to correct. Brick Effect Render can be customised to provide variable shading by application of a compatible Dryvit coating. Please consult Dryvit UK Ltd for further information.

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## STORAGE

When stored unopened in a dry place at temperatures above + 5°C, shelf life is 12 months from date of manufacture. Protect against moisture and direct sunlight.

## CAUTIONS & LIMITATIONS

Apply in dry conditions. At the time of application and for the following 24 hours air and substrate temperatures must not drop below + 5°C or rise above + 30°C. The product must be protected against rain, direct sun and windy conditions so sheeting the façade or the scaffold is advised to achieve this. Surrounding areas and other building parts, such as windows, windowcills, etc. must be properly protected during application and early curing.

## CLEANING

All equipment must be washed with clean water immediately after use.

## HEALTH & SAFETY

Brick Effect Render contains cement powders that when mixed with water or become damp release alkalis that can irritate the skin and eyes. Dust is harmful by inhalation.

Wear suitable protective clothing, eye protection and dust mask. The use of barrier creams provides additional skin protection. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water.

## DISPOSAL

Brick Effect Render is not listed as dangerous waste, but disposal must be in accordance with local and national legislation. The European waste code for Brick Effect Render is 10 13 11. Fully cured material is not considered as hazardous waste.

## FIRE

Brick Effect Render is non-flammable.

## FURTHER INFORMATION

Refer to Application Instructions and the product Safety Data Sheet.

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