

Stucco Build®

DUK601

A Dry Mix, Polymer Modified re-profiling Mortar

Description

Stucco Build is a cement-based, polymer modified re-profiling mortar conforming to BS5262. Available in 25 kg bags.

Uses

Stucco Build is primarily used to level uneven substrates. Generally used as an optional component with the Dryvit ACR anti-crack render systems where brick/block or concrete substrates have to be levelled prior to the application of the selected Dryvit acrylic finish. Stucco Build can be applied between 6-12 mm in one application.

Components

Prymit® priming and curing agent: A specially formulated factory mixed, brush, roller or spray applied, 100% acrylic water-based wall conditioner. It ensures excellent, curing, alkali resistance and adhesion when bonding Stucco Build to existing brickwork, stone, tile or concrete substrates.

Stucco Build®: A factory prepared dry mix re-profiling mortar requiring the addition of water at the project site. Stucco Build provides a trowel applied levelling coat of 3 mm to 12 mm in one application.

Estimating

Prymit	
Supply	18 Kg pails
Coverage	6.5 m ² /Kg
Stucco Build	
Supply	25 Kg bags
Yield	1.8 Kg/mm/m ²

The actual yield of Stucco Build will depend on the consistency used and will be reduced by spray application. Coverage and yield figures are theoretical and allowance should be made for wastage and the profile and absorbency of the substrate.

Working Time

Approximately 1 hour depending upon air temperature and relative humidity.

Drying Time

Drying time is dependent upon air temperature and relative humidity. Under average drying conditions 21 °C 55% R.H. protect work from rain for at least 24 hours.

Application Procedure

Job Conditions - Do not mix or apply Stucco Build during extreme hot, dry and/or windy conditions. Temperature must be between 5 °C and 35 °C for 12 hours prior to and 24 hours after the installation time.

Temporary Protection - Must be provided at all times to protect Stucco Build and finish applications from damaging effects of precipitation, dirt and job-site contamination.

Substrates & Preparation

Masonry/Concrete - Must be clean, dry, free of form-release agents, curing compounds, efflorescence, algae, mildew, paint, spalling or any condition that may adversely affect long-term bonding of the Stucco Build. Prymit acrylic primer is recommended to be applied undiluted over the surface to improve bond and reduce telegraphing of the mortar joints.

Mixing & Application

Prymit – The substrate should be dry and free of surface dust. Apply Prymit to complete area, by brush or roller. Spray knapsacks may be used, using a brass tip nozzle for ease of cleaning. Allow Prymit to thoroughly dry before proceeding. Application of Stucco Build.

Stucco Build – To a clean 25 litre pail, add 4-5 litres of potable water per 25 kg bag. Add the Stucco Build slowly while constantly mixing with a

Dryvit recommended mixing paddle at 450-500 rpm. Mix for at least 5 minutes to activate additives. All applications shall be out of direct sunlight. Apply the Stucco Build by hand trowel or wet spray. Apply from 6 mm to 12 mm. Multiple coats may be necessary above 12 mm to achieve a smooth level finish. Localised repairs can be applied to a depth of 20 mm. Where applicable be sure to completely embed reinforced mesh (i.e. Dryvit ACR 150). The Stucco Build shall be worked with a straight edge or screed rail to achieve an even plane to the wall and floated when it has begun to set to remove excessive roughness. Final floating with a plastic/steel float or waffle trowel must be done only after the Stucco Build has lost sufficient moisture so that the wet surface sheen has gone and before the Stucco Build is so rigid that it cannot be moved under the float (usually 1 to 2 hours). Floating may begin when the Stucco Build does not stick to a steel trowel placed against it. Do not over trowel the surface as this may cause excessive fines to be brought to the surface, resulting in cracking. Cool, damp conditions may require protection from rain, wind and dust. Please note that if required a final 3 mm thick application of Stucco Build can be applied to achieve a fair faced finish. Bonding and curing procedures as outlined above should also be adhered to for this application.

Curing

In common with all cement based materials, Stucco Build must be cured immediately after finishing. This can be achieved by spraying Prymit onto the surface of the newly finished Stucco Build in a continuous film. Large areas should be cured as trowelling progresses.

Stucco Build

Expansion Joints

All render expansion joints must follow structural movement breaks. For other expansion joints refer to BS5262, or Dryvit UK Ltd.

Finish Application

Surface must not be saturated with water. Apply the desired Dryvit ACR System finish or coating a minimum of 48 hours after the Stucco Build has been installed. Any efflorescence shall be removed with a solution of 6 parts water to 1 part muriatic acid and then rinsed thoroughly.

Clean Up

Clean tools with water while mixture is still wet.

Storage

All Dryvit materials shall be delivered to the project site in the original, unopened packages with the labels intact. Store all materials in dry conditions at between at a temperature of 5 °C and 35 °C protected from weather and direct sunlight. Storage temperatures shall not exceed 35 °C.

Limitations

Use only clean potable water for mixing. Do not add too much water, as strength will be reduced.

Health and Safety

Stucco Build contains cement powders which when mixed with water or become damp, release alkalis which can be harmful to the skin. During use inhalation of dust and contact with skin and eyes must be avoided. Wear suitable protective clothing, gloves, eye protection and respiratory protection. In case of contact

with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with eyes, rinse immediately with water and seek medical advice. If swallowed, seek medical attention immediately – **do not induce vomiting.**

Cement powder mixed with water releases alkali. Direct skin contact should be avoided

Fire

Stucco Build and Prymit are non-flammable.

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