

# STUCCO PLUS<sup>®</sup>

DUK437

## A Dry Mix, Polymer Modified Re-profiling Mortar

### Description

Stucco Plus is a two component, polymer modified re-profiling mortar. Available in 22.5 kg (55 lb) bags mixed with Stucco Plus Admixture comprising of Dryvit AC100 and water.

### Uses

Stucco Plus 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 Plus can be applied between 3-12mm in one application.

### Components

Prymit<sup>®</sup> primer & curing agent: A specially formulated factory mixed, brush, roller or spray applied, 100% acrylic water based wall conditioner which ensures excellent adhesion and alkali resistance when bonding Stucco Plus to existing brickwork, stone, tile or concrete substrates. Prymit is also used over Stucco Plus to promote proper curing.

Stucco Plus<sup>®</sup>: A factory prepared dry mix re-profiling mortar requiring the addition of AC100 and water at the project site. Stucco Plus provides a trowel applied leveling coat of 3mm to 12 mm in one application.

AC100: A concentrated liquid acrylic admixture mixed with water to produce the Stucco Plus Admixture. When mixed with Stucco Plus it gives a workable and easily trowelled re-profiling mortar. It also improves curing and bond strength.

### Coverage

Prymit is supplied in 18.1kg pails, which will cover approx 118 m<sup>2</sup> per application depending on substrate.

Stucco Plus is supplied in 22.7kg bags which will yield 15.2 litres per bag when mixed.

AC100 is supplied in 19.5kg pails (19.5 litres) hence one pail will be sufficient for mixing 39 bags of Stucco Plus.

### Properties

**Working Time** – Approximately 1 hour, depending upon ambient conditions.

**Drying Time** – Drying time is dependent upon air temperature and relative humidity. Under average drying conditions [21 °C (70 °F), 55% R.H.], protect work from rain for at least 24 hours.

### Application Procedure

**Job Conditions** – Do not mix or apply Stucco Plus during extremely hot, dry and/or windy conditions. Temperature must be between 4 °C (40 °F) and 40°C (100 °F) for 12 hours prior to and 24 hours after the installation time. Do not install Stucco Plus in extremely hot, dry and / or windy conditions

**Temporary Protection** – Must be provided at all times to protect Stucco Plus 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 Plus. Prymit acrylic primer & curing agent is recommended to be applied undiluted over the surface to improve bond and reduce telegraphing of the mortar joints.

### Mixing & Application

PRYMIT - Substrate should be dry and free of surface dust. Apply Prymit to complete area, by brush or roller. Spray knapsacks may be used, using brass tip nozzle for ease of cleaning. Allow Prymit to thoroughly dry before proceeding.

STUCCO PLUS - The Stucco Plus Admixture is formulated using a mix of AC100 concentrate diluted with clean water, minimum nine parts water to one part AC100, (one part = ½ litre, thus making one batch 5.0 litres). This admixture may be made either in batches, i.e. enough for one bag or by mixing a greater quantity in a large

tapped container such that units can be tapped off.

Using the admixture per bag, place 4 litres into the mixing bucket followed by a whole bag of Stucco Plus adding the remaining 1 litre during the mixing period if necessary. Additional water may be added if required however this should not exceed 1 litre. Mix thoroughly; leave to stand for five minutes, then break the set mixing for approximately 15 seconds. Larger quantities may be made up by using a "crete angle mixer" or similar. Apply using a trowel.

All applications shall be out of direct sunlight. Apply the Stucco Plus by hand trowel or machine-spray application method. Apply to a minimum 3mm and a maximum of 12mm thickness in one application. Where applicable be sure to completely embed reinforced mesh (i.e Dryvit ACR 150). The Stucco Plus shall be worked with a darby or rod 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 Plus has lost sufficient moisture so that the wet surface sheen has gone and before the Stucco Plus is so rigid that it cannot be moved under the float (usually 1 to 2 hours). Floating may begin when the Stucco Plus 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 3mm thick application of Stucco Plus can be applied to achieve a fair faced finish. Bonding and curing procedures as outlined above should also be adhered to for this application.

PRYMIT -Once the finish has been achieved apply Prymit in a spray application to the complete area. This will act as a curing membrane. Allow Prymit to completely dry before proceeding.

**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 Plus 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 at a temperature of 4° C or higher, protected from weather and direct sunlight.

Storage temperatures shall not exceed 37° C

### **Cautions and Limitations**

- Use only clean potable water for mixing. Do not add too much water as strength will be reduced. For professional use only.

### **Technical and Field Services**

Available upon request.

### **Warranty**

Consult Dryvit UK Ltd. for further details.

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