



TECHNICAL DATA SHEET

STUCCO PLUS® CONCENTRATE

A Dry Mix, Glass-Fiber Reinforced One
Coat Stucco Concentrate
DS437

PRODUCT DESCRIPTION

Stucco Plus Concentrate is a factory-prepared dry mixture of Portland cement, reinforcing fibers and special additives. Available in 36 kg (80 lb) bags and, when mixed with graded sand and water at the job site, produces a one-coat stucco.

BASIC USES

Stucco Plus Concentrate produces a rugged stucco cladding with a surface ready for application of a wide variety of Dryvit acrylic and elastomeric finishes and coatings.

COVERAGE

An 36 kg (80 lb) bag of Stucco Plus Concentrate mixed with 91 kg (200 lbs) of graded sand will cover approximately 7.2-8.4 m² (80-90 ft²). when applied at an average application thickness of 9.5 mm (3/8").

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.

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

Metal Lath/Netting

Must conform with local code requirements or minimum 1" x 20 gauge self-furred galvanized steel-woven wire fabric (recommended for residential or light commercial construction only). Minimum 2.5 lb. self-furred or furred galvanized steel diamond mesh lath (for residential or commercial construction). Metal lath or woven wire fabric shall be applied over #15 felt or other code-approved weather barrier in accordance with local building code requirements.

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. AC-100™ acrylic admixture is recommended to be applied undiluted over the surface to improve bond and reduce telegraphing of the mortar joints. AC-100 may also be used as an integral admixture to improve bond and curing of the stucco.

MIXING

An 36 kg (80 lb) bag of Stucco Plus Concentrate must be mixed with approximately 30 L (7 gal) of clean water and 91 kg (200 lbs) of clean graded sand conforming to ASTM C897. Mix thoroughly in a mortar mixer to obtain a smooth consistency free of lumps and fiber bundles. If AC-100 is used as an integral admixture to improve bond and curing, use at a dilution of 9 parts water to 1 part AC-100. Mixer and tools must be free of rust.

APPLICATION

All applications shall be out of direct sunlight. Apply the One-Coat Stucco mixture developed from the Stucco Plus Concentrate by hand trowel or machine-spray application method. Apply to a minimum 9.5 mm (3/8") thickness to completely cover and embed the metal lath or wire netting. 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 hard neoprene rubber float or redwood float 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.

CURING

Keep Stucco Plus moist for at least 48 hours by lightly fogging walls after the Stucco Plus takes initial set. Do not spray the walls with high-pressure water for at least 72 hours.

FINISH APPLICATION

Surface must not be saturated with water. Apply the desired Dryvit finish or coating a minimum of 48 hours after the Stucco Plus has been installed. AC-100 (at full strength) or Color Prime™ (thinned 50% with water) can be used to reduce surface suction and obtain a uniformly absorbent surface. AC-100 may be applied undiluted to the surface of the stucco to act as a bonding agent. 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

Store bags on pallets, wrapped or covered, protected from the weather until just before mixing. Normal storage life is 6 months if pallet wrapping is intact and protected from the weather.

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.
- Do not install Stucco Plus over the face of trim accessories.

TECHNICAL AND FIELD SERVICES

Available upon request.

WARRANTY

Stucco Plus is warranted for one year from the date of sale to be free of manufacturing defects. Consult Dryvit for further details.

Information contained in this product sheet conforms to the standard detail recommendations and specifications for the installation of Dryvit products as of the date of publication of this document and is presented in good faith. Dryvit assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, contact Dryvit. For more information on Dryvit or Continuous Insulation, [click here](#).

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dryvit.com | 800.556.7752



Construction Products Group

3735 Green Rd. | Beachwood, OH 44122
800.321.7906 | tremcocpg.com