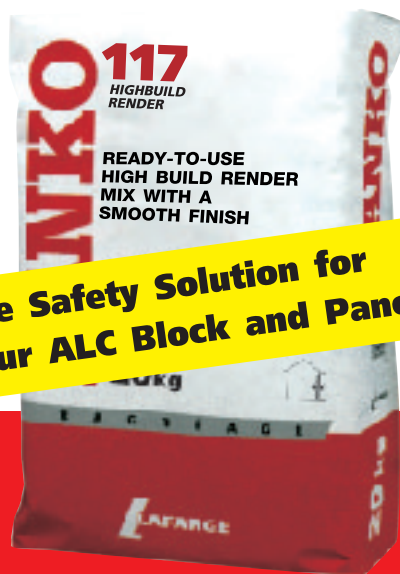


**READY-TO-USE HIGH BUILD RENDER
MIX WITH A SMOOTH FINISH**
FOR INTERNAL AND EXTERNAL USE
THICKNESS : 4-16 MM

117
**HIGHBUILD
RENDER**

R E N D E R I N G

LANKO



**The Safety Solution for
your ALC Block and Panel**

CHARACTERISTICS

- **Ready to use : just add clean water.**
- **Easy to apply from 4-16 mm.**
- **Excellent resistance to shrinkage cracking.**
- **Very smooth, fine finish.**
- **Suitable for mixing and spraying by machine.**

DESCRIPTION

117 HIGHBUILD RENDER is a polymer modified fibre reinforced cementitious wall render designed specifically to produce a high quality, even and true surface over ALC block and panel wall elements installed and prepared in accordance with 117 HIGHBUILD RENDER technical requirements. It is ideal for coating thickness of between 4-16 mm.

USES

Internal and external, over various types of substrates :

- ALC block and wall panels.
- Powerpanel special purpose masonry units.
- Off-form / in-situ pour concrete

FEATURES AND BENEFITS

- Ready to use - just add clean water.
- Workable, easy to apply consistency, which makes it possible to finish more square metres per day.
- Lower shrinkage compared to standard sand-and-cement mixes due to incorporation of elements controlling the rate of water evaporation.
- Very smooth, fine finish
- Is suitable for mixing and spraying by machine

TECHNICAL DATA

- Appearance : Grey powder.
- Working time at 23°C : 3 hours.
- Surface dry at 25°C and 50% RH, approximately : 4 hours.

WORK INSTRUCTIONS

Surface preparation

As for any cement-based render :

- Surface must be structurally sound, clean and free from dirt, dust, oil, grease, wax, release agents, and any other loose or contaminating materials that may interfere with adhesion.
- Where adhesion may be suspect, the incorporation of an acrylic bonding agent such as 751 LANKOLATEX in the mixing water is advised.

Application

Application is similar to standard cement render :

- The water:powder ratio is 20-22% . Mix 25 kg bag of 117 HIGHBUILD RENDER into 5.0-5.5 litres of clean cold water, to a smooth, lump free consistency, using a power strirrer, concrete mixer or a mixing and spraying machine.
- It is recommended that 117 HIGHBUILD RENDER be mechanically mixed for a period of 3-5 minutes to ensure proper dispersion of the additives.
- Usable life of mixed material: about 3 hours at 23°C and 50% RH.
- Apply with a trowel or spray on with machine to achieve required finished thickness.
- Allow to partially set for a short time and then finish with sponge, polystyrene or wooden float.
- Render droppings should not be re-tempered with water and be discarded.
- Surface dry : about 4 hours at 25°C and 50% RH. Time can vary depending on application conditions. and porosity of the substrate.

117

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READY-TO-USE HIGH BUILD RENDER MIX WITH A SMOOTH FINISH

FOR INTERNAL AND EXTERNAL USE
THICKNESS : 4-16 MM

R E N D E R I N G



PACKAGING

- 25 kg bag.

STORAGE

Use within 3 months of the date of purchase. Store under cover, above the ground level and away from direct heat and moisture.

Coverage

Average thickness	Coats	Approx. material usage kg/m ²
4 mm.	1	7.2
6 mm.	1	10.8
8 mm.	1	14.4
10 mm.	1-2	18.0
12 mm.	1-2	21.0
16 mm.	2	28.8

Note Scaling factor - each 1 mm of render cover requires 1.8 kg of 117 HIGHBUILD RENDER (dry powder).

Clean-Up

Thoroughly clean all equipment with water.

PRECAUTIONS

- In hot conditions tempering (light water spray) of the freshly applied 117 HIGHBUILD RENDER.
- During hot weather the applied 117 HIGHBUILD RENDER must be re-wetted 2-3 times per day over the first 2 days to promote proper curing (cement hydration).
- Do not apply at the temperature below 5°C or at the elevated temperatures above 35°C or in hot windy conditions.
- 117 HIGHBUILD RENDER should be protected from rain and frost for the first 24 hours.
- Allow to cure for 7 days.
- Where specified in relevant 117 HIGHBUILD RENDER technical recommendations, the installation of reinforcing mesh over window and door openings or as specified should be embedded "wet on wet" into the wet first pass of the rendering process.



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Technical Documentation English-Version Oct 2006

Davco Construction Materials (Thailand) Co., Ltd.

3rd Floor Lumpini II Building 247 Sarasin Road, Lumpini, Pathumwam, Bangkok 10330 Telephone: 66(0)2651 9027-36 Facsimile: 66(0)2651 8003
e-mail : thaicustomerservice@davco.co.th, Overseas Offices : Australia (Sydney - Head Office), Singapore

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