



BUILDING TRUST



PRODUCT DATA SHEET

Davco Render

DESCRIPTION

Davco Render is a specifically formulated for interior and exterior cement-based render designed for masonry substrates.

USES

- Davco Render is a specially formulated cement-based render suitable for interior and exterior applications over a variety of substrates such as brickwork, blockwork, AAC blocks and concrete. The carefully controlled formulation contains high quality ingredients combined to produce a creamy render ensuring excellent application properties and workability.
- Davco Render only requires the addition of water to produce a mortar plaster that exhibits minimal drying shrinkage and good adhesion to clean sound masonry substrates.
- Davco Render is fast to apply to both interior and exterior surfaces. It levels irregularities and produces a high quality even true surface for all absorbent masonry substrates. Davco Render can be finished with a wood, plastic or sponge float.
- Davco Render can be applied at a thickness between 4mm and 10mm thick.

CHARACTERISTICS / ADVANTAGES

- Pre-blended
- Controlled formulation
- Excellent adhesion
- Fast and easy application
- Minimal drying shrinkage
- Levels irregularities
- Application thickness 4mm-10mm
- Off white appearance

PRODUCT INFORMATION

Packaging	20kg bags
Shelf life	12 Months from date of manufacture if unopened
Storage conditions	Store in dry cool conditions, off ground out of direct sunlight.
Appearance / Colour	Off white powder
Volatile organic compound (VOC) content	Low VOC <1g/L
Mixing Ratio	3-4 Litres or clean potable water per 20kg bag.
Consumption	20kg bag of Davco Render covers approximately 2.8m ² (based on a single coat with an average thickness of 4mm). Use the table below as a general guide:

Average thickness	Coats	Approximate material (kg/m ²)
4mm	1	7.2
6mm	1	10.0
8mm	2	14.4
10mm	2	18.0

Applied Product Ready for Use

- Davco Render will dry at 25°C and 50% relative humidity in around 6-10 hours depending on the dampness of the substrate. As a general rule however, cement renders should be kept damp for the first 12 hours to ensure proper hydration of the mixture. If drying is too rapid, hydration will not take place and the render will not develop its full strength and will become friable.
- Davco Render should be allowed a minimum of 7 days to cure.
- Davco Render should be left for at least 7 days before applying an acrylic texture or topcoat
- Davco Render is not designed to be left unprotected and should be over-coated. If left for too long in the elements there is real likelihood of “rust looking staining” occurring on the rendered finish, as the fossilised wood particles in the sand leach out water

Note: Setting time is affected by site conditions, climate and could be faster or slower than specified.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Davco Render must not be applied at elevated temperatures above 30°C or in hot windy conditions
- Davco Render should be protected from rain and frost for the first 24 hours
- Applications on large areas in full sun should be avoided (and / or the surface should be cooled and tempered with plenty of fresh water). Always try to work in shaded areas
- During inclement weather, application should be stopped to give the product sufficient time to set. Protect the finished work around down pipes, spouts or where water may continually splash or wet the surface
- Davco Render is not suitable for use over fibre cement sheeting, EPS or XPS foam
- For other uses not mentioned in these instructions contact Sika Australia

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- All surfaces must be installed according to manufacturer’s instructions and relevant Australian Stand-

ard(s) and be structurally sound, dry, clean and free from movement, oil, grease, wax, sealers, curing compounds, release agents and any other loose or contaminating material. Thoroughly clean old surfaces, or new surfaces that have been treated, prior to applying the render.

- Surface misalignments and protrusions (splashed mortar, form or shutter marks in off-form concrete) should be trimmed back. Tie wires, nails or steel on the surface must be completely removed. All other metal elements must be corrosion stabilised.

Surface Absorbency

- Test absorption of the substrate by splashing on water. If it stays wet consider the surface to be “normal”. This means it will only require light dampening with clean water prior to a single coat application for up to 6mm thick. Typical substrates are cement blockwork and medium fired bricks.
- An absorbent substrate will absorb water immediately and may take too much moisture from the render mixture. Such a substrate will require soaking with a lot more water prior to application of the render. Alternatively the surface could benefit from a diluted application of Davco Lanko 751 Lankolatex diluting 1 part to 2 parts water.
- In hot weather, the substrate is best tempered with water to reduce suction and aid in the application of the render.

Note: Low absorption concrete or cement blockwork can offer little surface suction reducing the adhesion. It is best to prime these substrates with Davco UL-traprim before application of Davco Render.

MIXING

- The water component should be measured into suitable containers or mixing devices and the powder slowly incorporated during mixing. Ensure the water temperature does not exceed 25°C.

Note: Davco Render can be mixed with a variety of mortar mixing devices and applied using the conven-

tional hawk and trowel method, levelling with a screed or rule and finished with wood, plastic or sponge floats.

APPLICATION

1. Application by hawk and trowel should occur in two passes, a tight first pass followed by a second levelling pass.
2. Allow for the surface moisture to stabilise then screed with a 1200mm straight edge to a uniform surface. Apply more render to low areas as required.
3. Once the surface is uniformed, float true (level) using a polyurethane float to produce a fine sandy finish. Render droppings or set materials should be discarded, not re-tempered with water. Always terminate the render application above the damp course line. Weep holes should not be filled and reinstate if they happen to be coated over. Never bridge the damp course.

CURING TREATMENT

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CLEANING OF TOOLS

- Tools and equipment can be clean with water prior to the render setting

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a

particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet

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