



DW 1

**CEMENT BORDER, TILE ADHESIVE & GROUT,
BONDING AGENT, INJECTION POLYMER,
SEALER, HARDENER & WATERPROOFER**



ECO FRIENDLY



WATER BASED



INCREASE BOND

DESCRIPTION

Davco DW 1 is a synthetic, latex based mortar additive designed for use with portland cement and sand to prepare high strength, thin set mortars. Ideal for installing ceramic tiles, marble, slate and natural stone onto concrete, cement render, rendered brickwork surfaces or over existing tiles.

USES

Davco DW 1 may be used as a mortar additive for fixing ceramic tiles, pavers, marble, slate and natural stone onto concrete, cement render, blockwork and rendered brickwork surfaces.

Can be used in conjunction with sand and cement as a splash coat to fix render, or bed tiles over uneven concrete.

Can also be used as an additive to strengthen cement render coats.

Can also be used as a grout additive, especially in straight sand cement grouts.

In conjunction with sand / cement can be used to tile over existing tiles.

Can be used as latex binder in thick bed mortar fixing.

Can be used as an injection repair for bonding hollow plaster and floor screed.

TECHNICAL DATA

| | |
|---------------|--------------------------------|
| Colour | Milky solutions |
| pH | 9.5 Alkaline |
| Density | 1.00 +/- 0.02kg/m ³ |
| Solid Content | 49% +/- 3% |

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

BUILDING TRUST





DW 1

SURFACE PREPARATION

All surfaces must be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compounds and other loose contaminating materials.

Painted surfaces must be scabbled to expose at least 80% of the original substrate.

New concrete surfaces must be allowed to cure for 6 weeks and have a woodfloat finish.

Rendered surfaces must be allowed to cure for at least 7 days.

Old concrete and rendered surfaces must be thoroughly cleaned prior to using Davco DW 1.

Ensure release agents are removed from cement surfaces, especially tilt-up slabs.

| APPLICATION | MIX | COVERAGE |
|---|---|--|
| Primer (For highly absorbent surfaces) | DW1 dilute with water 1:1 | Depends on surfaces |
| Splash Coat | 1 part Portland cement 1 part Sand 1 part neat DW1 | - |
| Render/Screed (Thick Bed) WATERPROOFING | 50kg Portland Cement 150kg washed sand 13 litres DW1 13 litres water | Approx. 1.3m ² @ 100mm thick |
| Thin Setting Adhesive | Cement : Sand* (1:1) *fines sand less than 0.5mm diameter 1 part neat DW1 | Approx. 0.7 litres per m ² @ 3mm thick |
| Heavy Tiles | Davco TTB ECO Davco Dribond Marble ECO Use Neat 5-6 litres per bag | Approx. 6.0 - 7.0m ² @ 3mm thick |

Features

Enhanced flexural strength (> 10 MPa) which increase flexibility in the bond coat thereby reduces cracking, spalling, etc particularly in installations subject to vibration.

Improved tensile and compressive strength (> 50 MPa) which permits even heavy duty installations to be set with confidence.

Better bonding strength approximately 3 times (>0.3 MPa). Good for laying marble, granites and homogeneous tiles.

Improved durability, flowability and waterproofing.

Significantly improves water & chemical resistance especially in steel reinforced concrete structures.

Grouting

Apply grout 24 hours after the tiling.
The tiled area can be put into use 24 hours after grouting.

CLEAN UP

Excess Davco DW1 and tools can be cleaned up with warm water while Davco DW1 is still wet.

PACKAGING

Davco DW1 is available in 208 litres, 20 litres, 18 litres and 4 litres container.

SHELF LIFE

Davco DW1 has a shelf life of approximately 12 months in unopened containers when stored in cool dry place.

HEALTH & SAFETY

Do not use in temperatures above 40°C and below 5°C.

Davco DW1 is classified as non-hazardous.

Refer to safety data sheet.

Disclaimer

The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subjected to changes without prior notice. Before application, customers and users are requested to check that they have the latest version of this document from our website www.sika.com.sg

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