



ULTRABOND

Coating for Contaminated Surfaces Bond/Prime

DESCRIPTION

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ULTRABOND is a grey, flexible 2-part primer / bond enhancer for use over traditionally difficult tiling surfaces prior to the application of tile adhesives.

USES

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ULTRABOND can be used over the following surfaces without the traditional surface preparation :

- Glazed Ceramic Tiles and Vinyl Tiles.
- Standard and varnished timber.
- Epoxy Resin coatings.
- Acrylic or oil based painted surfaces.
- Metal surfaces
- Laminate
- Over old vinyl or carpet adhesive
- Most water proofing membranes.
- Other non porous shiny surfaces.

FEATURES AND BENEFITS

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- Eliminates the need for time consuming and messy acid etching or mechanically abrading of shiny non-porous surfaces.
- Easy to apply with brush or roller. Thus saving considerable working time.
- Cures in 6-8 hours at 20°C.
- Can be tiled over using any of Davco's cement based or two-part adhesives.
- Can be used in wet areas such as shower floors, as long as sufficient falls are present.
- Being a flexible coating it caters for limited movement in any wall or floor surface.
- ULTRABOND enhances the bond of tile adhesives onto substrates.
- Extensive tests in accordance with AS 2358 -1990 have proven Ultrabond to successfully bond to the various substrates. Also the various tile adhesives have successfully bonded to Ultrabond.

SURFACE PREPARATION

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- All surfaces must be structurally sound, dry and free from grease, dirt, dust and any other loose contaminating materials.
- Any gaps/voids in the substrate must be treated, such that the gap/void is fully supported and firmly filled out.

Metal Surfaces

- Ensure that all metal surfaces are totally free of rust.
- Prime metal surfaces using a zinc chromate primer or similar etching primer.

Cracks

- Small hairline cracks, which experience no movement, may be filled by the first application of ULTRABOND.
- For hairline cracks wider than 2 mm, a joint filler should be applied along the length of the crack prior to the application of ULTRABOND.
- Structural shrinkage cracks up to or greater than 2 mm wide which experience movement must be filled firstly with a silicone sealant. Then 50 mm wide tape should be placed over the crack, ensuring it adheres to the surface. The ULTRABOND should be applied over the tape and allowed to cure for at least 6 hours.

Existing Ceramic / Vinyl Tiles

- Existing ceramic tiled surface should first be cleaned with Davco Tile & Grout cleaner prior to using ULTRABOND. Existing Vinyl tile surface should first be cleaned with Ormonoids Vinyl floor cleaner prior to using ULTRABOND.

MIXING

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- Ultrabond is a 2-part primer / bond enhancer for on-site mixing.
- Each 20 kg of ULTRABOND powder requires 5 litres of ULTRABOND liquid by weight
- **To mix by volume, combine 3 parts liquid to 10 parts powder.**
- Add powder slowly into the liquid while mechanically stirring to ensure proper mixing.
- **Always add powder to liquid.**
- For easy mixing, pour 3 parts liquid into a clean bucket. Add 5 parts powder, and mix to a soupy consistency. Add a further 3 parts powder, and blend thoroughly through. Finally, add the remaining 2 parts powder into the mix and stir thoroughly.
- Allow the mix to stand for 10 minutes and then re-stir before using

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APPLICATION

- ULTRABOND can be applied directly over all surfaces mentioned previously, except for rusted metal surfaces. Where the rust should first be removed with a wire brush and then the surface primed with a zinc chromate or similar etch primer.
- Apply ULTRABOND with a brush, roller or flat steel trowel.
- A simple method for applying Ultrabond is to use a 6mm tradesmans tiling trowel. Pour the mixed ULTRABOND onto the surface, and, holding the notched trowel at 45° to the surface, notch it evenly onto the surface. Then simply use the back flat edge of the trowel to smooth the notches to create a smooth layer of Ultrabond.
- Ensure that the thickness of the coating is minimum 2 mm and maximum 3 mm. This can be achieved in one application or in 2 coats. If applied in 2 coats allow 45 minutes between coats.
- Allow ULTRABOND to cure for 6-8 hours prior to using Davco's tile adhesives over it for fixing tiles. Do not used premixed adhesives over ULTRABOND as they will not dry.

PRECAUTIONS

- Do not allow the product to freeze.
- Do not apply ULTRABOND in temperatures above 45°C or below 5°C.
- Delay external applications when inclement weather is imminent.
- Once applied the Ultrabond must not be exposed to intermittent water for at least 2 days..
- Do not thin the liquid, it is supplied ready for use.
- Do not apply ULTRABOND over gaps or voids, these areas must be appropriately filled, prior to application.
- Do not apply to damp surfaces.
- Do not use where negative hydrostatic pressure is evident (i.e. rising damp) as it affects the bond of ULTRABOND.
- For other uses or the use of ULTRABOND over substrates/situations not mentioned in this technical brief, contact your Davco Construction Materials state office
- For a full MSDS on Ultrabond, contact your Davco Construction Materials state office.

COVERAGE

5 lt/20 kg of ULTRABOND will cover approximately 7 m² at 2 mm thick depending upon site conditions.

CLEAN UP

Tools and excess ULTRABOND can be cleaned up with water while it is still wet.

PACKAGING

ULTRABOND is available in a 5 lt/20 kg unit.

SHELF LIFE

Up to 12 months in unopened bags, stored in an elevated, cool dry position.

TECHNICAL DATA

Properties :

- Appearance of mix : Grey Liquid
- Specific Gravity of Mix : 1.6 kg/litre
- Pot Life at 20°C : 1.5 hours
- Drying Time at 20°C : 6-8 hours

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. All workmanship must be carried out in accordance with AS 3958.1-1991.

The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application. Users are asked to check that the literature in their possession is the latest issue.

Davco

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