



Euco Diamond Hard

LIQUID DENSIFIER & SEALER

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2 Pages

PRODUCT
DATA
SHEET

KEY BENEFITS SUMMARY

- Reduces porosity and increases hardness of the concrete
- V.O.C. compliant
- Resists penetration of oil and many chemicals
- Minimises tyre marks and enables them to be more easily removed
- Equipment can be cleaned with water
- Can be applied to fresh, new or existing concrete
- Low sheen enhances the appearance of concrete surface
- Compatible with bond breakers for tilt-up projects

PRODUCT INFORMATION

DESCRIPTION

Euco Diamond Hard sealer is a proprietary blend of silicate and silicate polymers which penetrate concrete surfaces and chemically reacts, providing an increase in surface density and abrasion resistance and a reduction in the surface absorption of liquids. Euco Diamond Hard reacts with elements in the concrete surface to impart a low sheen which enhances the appearance of the concrete surface. Euco Diamond Hard is water based and V.O.C. compliant.

USAGE/PURPOSE

- Interior or exterior
- Warehouse floors
- Commercial floors
- Manufacturing plants
- Residential garages and basements
- Distribution centers

COLOUR

A clear liquid which dries transparent. After placing, the colour of the concrete may initially appear darker than the surrounding concrete. As the sealer cures and dries out, the treated concrete will gradually increase in tightness with a subsequent increase in gloss.

PACK SIZE
200 litre drum

PRODUCT CODE
260000

TECHNICAL INFORMATION

GENERAL

- V.O.C. 0 g/l
- Drying Time at 21°C
 - Light Foot Traffic 4-6 hours
 - Wheel Traffic 24 hours
- COVERAGE 5m²/litre
- PH 13-14

NOTE: Typical Properties should not be used as Specifications.

PRECAUTIONS

- Allow the product to dry a minimum of 4-6 hours before exposure to traffic.
- Protect Euco Diamond Hard from freezing. In the event of freezing, thaw and stir or agitate before using
- Do not leave any Euco Diamond Hard residue on the treated concrete surface. Excess hardened material must be removed with a grinder.
- Diamond Hard is not recommended for use as a curing compound. It does not meet the requirements of ASTM C-309 or ASTM C-1315.
- Protect metals, glass, wood, paint or brick from contact with Diamond Hard. If accidentally over-sprayed, wash surface with potable water immediately.

USAGE GUIDELINES

SURFACE PREPARATION

NEW CONCRETE

Cure the concrete by a wet or sheet cure method in accordance with ASTM C-171, or with Kurez Dr Vox (Dissipating curing compound). New concrete should cure seven (7) days or longer. For fast track projects, reduce the wet cure time. Allow concrete to air dry a minimum of 24 hours prior to application of Euco Diamond Hard. Insufficient drying of the concrete will prevent full penetration of Euco Diamond Hard, reducing its effectiveness.

EXISTING, CURED CONCRETE

The concrete surface must be clean, dry and free of any contaminant, coating or residual curing compounds that could prevent absorption of Euco Diamond Hard.

Euco Diamond Hard



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METHOD OF APPLICATION

Air temperature during application must be between 2°C and 38°C. At temperatures below 10°C, the reaction and “gelling” process of Euco Diamond Hard is slower, so the concrete will need to remain wet with Euco Diamond Hard for a longer period of time. In hot or windy conditions, the gelling process may take less than the normal 30-60 minute period. In extremely hot weather it is helpful to pre-dampen the concrete and apply Euco Diamond Hard when all standing water has disappeared.

Apply the Euco Diamond Hard to the concrete surface by low pressure sprayer or by pouring directly onto the surface and distributing evenly by broom or squeegee. With soft bristle hand brooms or brushes on an auto-scrubber, work the Euco Diamond Hard around the area to be treated and into the surface. The concrete must be kept wet with Euco Diamond Hard for at least 30 minutes – add additional Euco Diamond Hard to maintain a wet surface. As the Euco Diamond Hard begins to thicken and gel underfoot, lightly spray the area with clean water to break up the thickened Euco Diamond Hard and move the excess material on to the adjacent floor area next to be treated. Do not track Euco Diamond Hard onto untreated concrete, as permanent foot prints or tyre marks can result. Continue the application process until the entire floor has been treated. When finished completely remove all excess Euco Diamond Hard from the surface. *If excess Euco Diamond Hard is allowed to dry on the concrete surface, a white residue will form that can only be removed by mechanical means such as grinding or sanding. Prevent this by completely removing all excess Euco Diamond Hard from the surface when application is complete.*

Soff-Cut Saw Joints

If the floor joints will be cut using the *Soff Cut* saw method, treat the floor surface with Euco Diamond Hard (including flooding the joints) after the saw cutting operation. The applicator should be sure the excess cement dust remaining after sawcutting has been removed from the concrete surface prior to application of Diamond Hard. After the slab has cured the appropriate number of days, the joints must then be mechanically cleaned a final time and the joint filler applied.

CLEAN-UP

Clean brooms, tools and all equipment sprayers with potable water immediately after use. The residue from application and clean up process is non-toxic.

SHELF LIFE

2 years in original, unopened package.

HEALTH & SAFETY PRECAUTIONS

The Material Safety Data Sheet (MSDS) must be read and understood prior to use.

TECHNICAL SERVICE

TREMCO has a team of qualified Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information or service and advice, call Customer Service on (02) 9638 2677 or fax (02) 9638 2955.

GUARANTEE/WARRANTY

TREMCO products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with TREMCO written instructions and (b) in any application recommended by TREMCO, but which is proved to be defective, will be replaced free of charge.

Any information provided by TREMCO in this document in relation to TREMCO's goods or their use is given in good faith and is believed by TREMCO to be appropriate and reliable. However, the information is provided as a guide only, as the actual use and application will vary with application conditions which are beyond our control. TREMCO makes no representation, guarantee or warranty relating to the accuracy or reliability of the information and assumes no obligation or liability in connection with the information. To the extent permitted by law, all warranties, expressed or implied are excluded.



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