

AUEM00113 Emer Emer-Proof Silane Sealer Clear on New Concrete block, brick, masonry [Exterior]

Scope of Works

Emer-Proof Silane Sealer is clear, penetrating, water repellent silane-siloxane sealer that can be used on concrete and masonry substrates to provide a clear finish while allowing the substrate to breathe. It can be used on all types of new and existing structures including those in coastal environments.

Substrate and Substrate Preparation

Substrate Notes
Masonry construction materials are predominantly clay brick and concrete block, held together by mortar.

Concrete block
Concrete blocks are made of a controlled concrete mix poured into steel moulds to very precise dimensions and are therefore usually flush-laid. Concrete blocks are highly porous and require protection against moisture ingress.

Brick
Bricks are generally kiln-fired clay, which can be glazed or unglazed. Highly glazed bricks should be mechanically ground or scabbled to improve adhesion of the coating system. Clay bricks sometimes contain vanadium or manganese which can bleed through water-based coatings if not sealed with a stain-blocking primer.

The brick or block surface should be examined to determine if it has been laid to specification and that the surface variation is within acceptable tolerances. If applying a texture coating system, the degree to which the texture coating camouflages flush walls depends on how flush the substrate has been constructed. Deeply raked brickwork will require much more render material than face-laid brickwork.

Substrate Preparation Notes

Assess suitability
Mortar and cement-based products must be fully cured for at least 28 days before painting. Examine the surface for the presence of dirt, stains, mortar splashes, building marks, efflorescence or other contaminants. Check concrete moisture content with a standard moisture meter, which must be no greater than 10%. Efflorescence is a sign of moisture ingress and must be addressed before any coating can be applied.

Clean surface
Remove all dirt, dust, mortar smears, efflorescence, laitance, powdery surfaces and all other surface contaminants by water blasting with clean, potable water at 1500 - 2500 PSI water blast. Removal of oily deposits may require the addition of a free-rinsing alkaline degreaser to the water. Remove any remaining firmly adherent contaminants with paint scraper, wire brush, power tool fitted with a cup brush or as appropriate and wash off debris with clean, potable water. Treat mould or moss if present with a suitable biocide treatment strictly in accordance with the manufacturer's instructions after the substrate has been pressure washed, leave for 24 hours prior to coating.

Repair surface imperfections
Any design faults leading to structural failure must be corrected prior to repainting. Repair any cracks, voids or other surface imperfections with a suitable repair product depending on the size and extent of the defect, such as AcraPatch Coarse mixed with 10-20% fresh Portland cement, in strict accordance with the relevant technical data sheets. Ensure repairs are finished flush with the sound surface and allowed to cure. Fill any gaps resulting from structural movement with a paintable high-performance flexible adhesive sealant and smooth off.

Sand surface
Sand off any repaired or uneven areas with a large hand sander or pole sander and dust off.

Prime
Prime surface as soon as possible and before contamination reoccurs.

System Summary

• 1st Coat	Emer Silane Sealer Clear
• 2nd Coat	Emer Silane Sealer Clear



System

1st Coat — Emer Silane Sealer Clear

Step Type 1st Coat	Datasheet AUEM00021 Emer Silane Sealer Clear
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Read the full Datasheet details at <https://duspecplus.com.au/pdf/datasheet/emersilane-sealer-clear/d392456c-ec66-4329-9db2-d054beba6295>

Application Methods

 Brush  Roller

Low pressure spray

	Min	Max	Recommended
Theoretical Spread Rate *	<input type="text"/>	<input type="text"/>	5
Recoat Time **	<input type="text"/>	<input type="text"/>	2 hours

Meets GBCA V.O.C. Requirements?
Not Applicable

Application Details
Emer-Proof Silane Sealer can be applied by brush, roller or low pressure spray.



SDS Link
https://go.lupinsys.com/duluxgroup/harms/public/materials/5bfbb8e2fc84075b52cc9e66e78319c9-published/attachments_api/dda33570fcb9cff44f858fca7936d05e/search_api/EMER-PROOF_SILANE_SEALER-AUS_GHS.pdf

2nd Coat — Emer Silane Sealer Clear

Step Type 2nd Coat	Datasheet AUEM00021 Emer Silane Sealer Clear
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Read the full Datasheet details at <https://duspecplus.com.au/pdf/datasheet/emersilane-sealer-clear/d392456c-ec66-4329-9db2-d054beba6295>

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https://go.lupinsys.com/duluxgroup/harms/public/materials/5bfbb8e2fc84075b52cc9e66e78319c9-published/attachments_api/dda33570fcb9cff44f858fca7936d05e/search_api/EMER-PROOF_SILANE_SEALER-AUS_GHS.pdf

System Notes

* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness.

** Recoat times are quotes for 20°C and 50% relative humidity, these may vary under different conditions.

*Emer-Proof Silane Sealer should not be contaminated with water. The application of Emer-Proof Silane Sealer should not commence if the temperature of the substrate is below 2°C.

*Emer-Proof Silane Sealer may darken some polymer modified substrates and white cement. A trial area is recommended.

*Emer-Proof Silane Sealer may leave a residue on some tiles if applied excessively. Test absorption of tiles before applying to entire area.

*Emer-Proof Silane Sealer is not suitable for glazed bricks.

*Emer-Proof Silane Sealer may leave a residue on non porous surfaces it is advised to cover the surrounding areas prior to application.

Coverage figures are theoretical - due to wastage factors and the wide variety and nature of possible substrates, practical coverage figures will be reduced.

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The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

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WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS 4361 Parts 1 and 2 and Worksafe Australia guidelines.