



矽封劑

SE-2025

矽封劑(Sefagen)，SE-2025 係精選低分子量矽氧烷變性化合物合成高滲透性、單成分、無色透明的防水處理劑，兼具耐水性、耐候性、抗鹼性。經塗佈滲入水泥、石材、磁磚縫等礦物建材表層，在其孔洞、毛細孔位置形成水解縮合反應約 10mm 深度的疏水區，進而達到防水防護效果。

SE-2025 is a water base, siloxane formulation designed for the protection of all surfaces. SE-2025 penetrates into the surface and forms an invisible barrier that is resistant to moisture and stains, while allowing vapor to escape. SE-2025 is not a surface coating and will not alter the natural look. SE-2025 can be used on interior and exterior applications.

矽封劑(Sefagen)SE-2025 除做為建築物防水、防風化等保護外，也做為水泥牆面用的滲透型防水底漆，再上塗水泥漆等面漆，其防水美化效果優異，如風頭壁面、細龜裂壁面，經簡易施工塗佈達到防水美化效果。

SE-2025 Penetrating sealer is designed to provide both of waterproof and efflorescence properties to wide variety of nature stone, clay and masonry surfaces, while leaving the treated surface looking natural and with minimal change in appearance.

物理性質：Physical properties

有效活性成分 Active content	85%
黏度(25°C) Viscosity	3 CPS
比重(25°C) Specific gravity	0.88
外觀 Appearance	透明液 Transparent liquid
滲入時間 Penetration time	2 ~ 3 小時 2 ~ 3 hrs
完全硬化 Full cure	3 天 3 Day
表面乾燥 Tack free time	1 ~ 3 分 1 ~ 3 minutes
塗佈方式 Grade	無氣噴淋、滾塗、刷塗 Airless spray, roller, brush.
滲透深度 Depth of penetration	6 ~ 10mm
儲存性(密封完全) Storage	12 個月 12 months
再塗性 Recoatibility	優 Excellent
面漆附著性(油性) Top coat adhesion (solvent-based)	100/100



▲矽封劑 SE-2025 施工前(Before treatment)



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效益：Features

- 滲透力強而深入約 10mm。
Deep penetration into concrete(5~10 mm).
- 仍維持素材的透氣能力。
Permits concrete to breathe.
- 防止鹽硝、鹽花析出。
Chloride salt resistance.
- 上塗面漆附著性優。
Excellent adhesion for further application.
- 防細裂處滲入水份濕氣。
Prevent moisture into cracking
- 減少水份附著吸收、減少約 90%。
Reduces moisture absorption up to 90%.
- 增進隔熱效果。
Heat insulation.
- 有效防止水、酸雨、鹽等的破壞。
Acid rain resistance, prevents damage from salts.
- 防霉、防黴菌等滋長形成傷害。
Helps prevent mold growth and efflorescence.
- 表面乾爽、防塵埃沾附、防青苔生長。
Moss resistance.
- 處理面透明不變色。
Leaves the treated surface looking natural.
- 抗鹼、耐鹼性優。
Resistant to alkali attack.



▲矽封劑 SE-2025 施工後(After treatment)

試驗：Testing

通過 DIN52617、ATP、ASTM-C-672-84、NCHRP244-II、NCHPR-IV 等滲透、吸水、耐久、耐鹽等試驗合格。

Testing methods: DIN 52617, ATP, ASTM-C-672-84, NCHRP 244 Series II, NCHPR Series IV, etc.

應用：Usages

矽封劑(Sefagen)SE-2025 對於有吸收能力的含孔性礦物建材的處理都有效，如混凝土、水泥、輕質水泥、膠泥、花崗石、天然石材、磚塊、磁磚縫等建築材料。

SE-2025 product deeply penetrates and saturates the pores of most stone surface, concrete, marble, etc.



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施工說明：Application

1. 施工前要確定素材為有吸收力的礦物建材，通常吸收力愈大，滲透效果愈深，防水效果愈好。
Due to the differences if each material, several inconspicuous test patches should be completed to assure maximum performance.
2. 確定素材已乾燥，愈乾燥，矽封劑滲入愈深，效果愈強。
While some moisture present in the concrete or masonry will not affect the performance of SE-2025, the drier the surface, the deeper the penetration.
3. 下雨期不要施工，因為素材的孔隙、毛細孔含有水份，吸不進矽封劑。
Do not apply when rain is imminent.
4. 受損的水泥、石材、磚塊等應整修後再塗佈矽封劑。
Repair all cracks with the appropriate patching material before application.
5. 素材有明顯裂痕需整修後再塗佈矽封劑。
Crack and joints must be sealed prior to application.
6. 確定無地下上升濕潮，才不影響滲透程度。
Do not apply on damp surface.
7. 素材面需清除乾淨無油脂、污物、灰塵，以免防礙素材的吸收力。
Surfaces to receive SE-2025 must be clean and sound and free from all oils and grease.
8. 必需無鹽花、壁霉受損情況。
No damage through salt and alali.
9. 多數情況需先清洗表面，儘可能用高壓水槍噴洗素材面。鹽花、壁霉處應先清除，待乾後才能施用。
Clean exterior surfaces by pressure washing to remove dust, sand or other foreign matter.
10. 採光罩、門窗及附近植物，應先防護後施塗，以免污損。
To prevent damage to nearby shrubbery and landscaping, cover or protect with drop cloth.
*** 矽封劑會破壞採光罩的透光板，應避免濺污或不施作。
Sealer destructive clear masking, avoid splash or do not apply**
11. 新水泥面、接合膠泥，必須乾硬養生二週後再塗佈施工。
The new concrete should be cured fort 14 days before application.

塗佈：Coverage

- 施塗需確保足夠量的矽封劑被塗佈於素地面。
The more porous the surface, the more SE-2025 should be applied.
- 矽封劑可採用無氣噴槍低壓噴淋，噴射距離 5~10 公分為宜。
SE-2025 may be applied by low pressure spray.
- 也可使用滾輪、毛刷塗佈。
SE-2025 can be applied by roller or brush.
- 矽封劑塗佈完善為素地完全被滲入為止。
Apply to saturation.
- 若素地面於 1 分鐘內被吸乾，表示素地吸收未飽和，應再塗佈更多的矽封劑。
Unsaturated substrate if drying in 1 min it required more application of sealer
- 溫度會影響硬化時間，以 15~30°C 溫度施作為理想。
Application sealer between 15~30°C .



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用量：Amount

矽封劑的使用量以素地材質的吸收力為根據，最好實作試驗。一般建材的用量為 0.15~0.3kg/m²
Apply at a rate of 0.15 ~ 0.3 kg / m² dependent on porosity of the substrate.

效果確認：Confirm effective

矽封劑施塗前後可以水吸附情況檢測，但必須於塗佈後三小時以上才能測試，矽封劑才能硬化，並達到抗水效果。

Prior to applying sealer always test a small area to verify penetration and satisfaction of appearance. Allow 3 hours to dry and cure.



耐久性：Durability

矽封劑防水效果期限長，且不會對建材造成傷害，而且可隨時再塗矽封劑，無重塗不良問題。矽封劑處理面可塗任何溶劑型面漆，若上塗水性塗料有濕潤不良的情況時，可用 1% 洗碗精配置水溶液，塗佈在其表面，則水性系列面漆的塗裝就無問題。

SE-2005 Penetrating sealer provides long-lasting protection against moisture intrusion. Paintable any time after curing. SE-2025 can be painted any solvent-based paint, if painted with water-based paint, it can be add 1% of dishwasher detergent and apply to surface.



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