



### AO-2298

## Permaseal Concrete Sealer

Penetrating silane water repellent  
for horizontal and vertical use on concrete

## Product Data

- Reduces water penetration, chloride-ion intrusion and carbonation.
- Allows concrete structures to breath normally.
- Eliminates freeze-thaw damage.
- Easy to apply, deep penetration.
- Non staining

### TYPICAL USES

Permaseal AO2298 is used for the invisible protection of new and existing concrete structures, stone against climatic influences. In general Permaseal AO2298 is designed for horizontal and vertical surfaces of superstructures such as decks for bridges and overpasses, floors of (multistore) car parks, airport runways and aprons, control rooms, switch rooms, pipe supports, buildings etc.

### TYPICAL PROPERTIES

Permaseal AO2298 acts as an invisible water repellent screen. The active ingredients coat the surface of the pores after its carriers have evaporated. Only water vapour is able to pass through this screen. Absorption of liquid water, chloride-ions and other environmental materials will be greatly reduced. The large reduction of moisture intrusion retards the carbonation process and keeps thermal conductivity low.

Permaseal AO2298 is neither suitable for protection of backfilled or immersed structures, nor for use in severe chemical (acidic) environments. (If required please contact your Oasis Ameron representative).

### Physical data

Color .....	Clear
Finish .....	Surface appearance: Unchanged after application
Components .....	1
Description .....	Alkylalkoxysilane
Drying .....	Evaporation of carriers
Drying time .....	4 hours- 25° C
Drying time to topcoat .....	7 days
Flash point.....	13 o C (SETA)
Penetration * .....	6 mm average (Depth from substrate)
Application.....	Flood ,broom, roller, low pressure spray
Coverage rates.....	3 - 5m <sup>2</sup> /ltr (approx.)
Packaging .....	20 ltr cans 200 ltr drums
Shelf life	1 Year from shipment date when stored indoors in unopened containers at 5-40 o C.

\* Penetration and coverage rates for the sealer will depend on the porosity of the substrate

# Application Instructions

## Permaseal Concrete Sealer AO 2298

**Penetrating silane water repellent  
for horizontal and vertical use on concrete**

**Permaseal AO2298** is a clear, penetrating sealer and does not change the surface texture of the substrate in any way; it does not have any effect on skid resistance or on the mechanical characteristics of the concrete. It may be used indoors and outdoors, providing long-lasting protection.

### APPLICATION SUMMARY

Test small area of surface before starting general application to assure desired results and check consumption rate.

1. Air, material and surface temperatures should be 5-35 °C during application. Surfaces should be dry prior to application. Do not apply sealer when temperatures are expected to fall below 5 ° C within 12 hours or rain is expected within 4 hours of application.
2. Concrete substrates must have attained 80% of their design strength.
3. Surfaces should be cleaned of sand, surface dust/dirt, oil, grease, chemical films and coatings, and other contaminants or loose friable surfaces.
4. Areas of porosity which display high soakage levels should receive a second application of AO 2298 Concrete sealer.
5. Material must be thoroughly stirred before and occasionally during application.
6. Apply material to saturation. This may be done by low pressure spray or roller, use squeegee or broom for even distribution. On vertical surface product should run down 30 -40 cm.

7. It is recommended that the Permaseal AO2298 treated surface be left to dry prior to opening for traffic. (Horizontal surfaces)
8. Painting of line-stripes should be done after the application and drying of Permaseal AO2298.
9. Protective/Decorative coating systems can be applied after 7 days.