

OA 2298

Permaseal Concrete Sealer

Penetrating silane

Product Data/ Application Instructions

- **Water repellent properties, Reduces water penetration**
- **Anti Carbonation properties**
- **Allows concrete structures to breath normally**
- **Eliminates freeze-thaw damage**
- **Easy to apply, deep penetration**
- **for horizontal and vertical use**

OA 2298 Permaseal Concrete Sealer is a clear or stained, 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.

Typical Uses

OA 2298 Permaseal Concrete Sealer is used for the invisible protection of new/existing concrete structures, and stone against climatic influences. In general OA 2298 Permaseal Concrete Sealer is designed for horizontal and vertical surfaces of superstructures such as decks for bridges and overpasses, floors of (multi story) car parks, airport runways and aprons, control rooms, switch rooms, pipe supports, buildings etc. Stained sealer is used to enhance appearance of concrete with same protection level.

Application data summary

For complete information on procedures, equipment and safety precautions, see the application instruction as accompanying shipment. Like all high-performance coatings OA 2298 Permaseal Concrete Sealer must be applied as recommend to obtain the maximum performance.

Physical Data

Color	Clear or Stained
Finish.....	Surface appearance: Or stained tone
Components.....	1
Description	Alkylalkoxysilane
Coverage rates.....	3 - 5m ² /ltr (approx.) (Depending on surface)
Drying	Evaporation of carriers
Drying time	
to touch	4 hours @ 25° C
to topcoat.....	7 days
Flash point.....	13°C (SETA)
Application	Flood ,broom, roller, low pressure spray
Packaging.....	20 ltr cans / 200 ltr drums

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

Note : Allow for application losses. ie. conditions, surface irregularity, surface porosity and application method.

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Typical Properties

OA 2298 Permaseal Concrete Sealer acts as an invisible water repellent screen or stained to enhance appearance of the concrete. The active ingredients coat the surface of the pores after its carriers have been evaporated. Only water vapour is able to pass through this screen. Absorption of liquid water, chloride ions and other environmental pollutants materials will be greatly reduced. The large reduction of moisture intrusion retards the carbonation process and keeps thermal conductivity low.

OA 2298 Permaseal Concrete Sealer 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 technical department for recommendation.

Surface Preparation

Surfaces should be cleaned of sand, surface dust/dirt, oil, grease, chemical films and coatings, and other contaminants or loose friable surfaces.

Application Equipment

LOW PRESSURE SPRAY

BROOM / ROLLER

Application Data

Substrate decks for bridges and overpasses,
floors of (multistore) car parks,
airport runways and aprons,
control rooms, switch rooms,
pipe supports, buildings etc.

Application methods Flood ,broom, roller,
low pressure spray

Environmental Conditions (during application and drying)

Air temperature:..... 5 to 35°C

Surface temperature:..... 5 to 35°C

Drying time

to touch 4 hours @ 25° C

to topcoat 7 days

- Depending on ambient temperature & surface conditions.

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.

Never apply coatings under adverse environmental conditions.

Ensure good ventilation when applied in confined areas to assist evaporation and elimination of solvents.

NOTE: drying times are dependent on air and steel temperature, applied film thickness, ventilation and other environmental conditions. Times are proportionally shorter at higher temperature and longer at lower temperatures. Prior to recoating ensure the surface is clean. Maximum recoating time intervals are dependent on temperature, degree of weathering and service conditions of the complete coating system. Consult your OAL representative for specific recommendations.

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Application Procedure

OA 2298 Permaseal Concrete Sealer is a one component product and packaged in 20 or 200 litres.

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 OA 2298 Permaseal 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 OA 2298 Permaseal Concrete Sealer 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 OA 2298 Permaseal Concrete Sealer
9. Protective/Decorative coating systems can be applied after 7 days.

Safety Instructions

1. Ventilate work area.
2. Check to ensure that fire or explosion risks are eliminated.
3. Cover all cuts or wounds.
4. Avoid inhaling or ingesting product. (Use mask and goggles for all spray applications).
5. Cover skin as much as possible.
6. Wash hands regularly. Use suitable soft soap.
7. Protect eyes. If product gets into eyes wash out with water until clear. Seek medical assistance.
8. In the event of accidental ingestion seek immediate medical assistance.
9. Take extra care when using airless spray equipment to avoid accidental injury.

Shipping Data

Packagingin 20 or 200 Litres.

Storage out of sun light.

Shelf life 1 year from shipment date when stored indoors in unopened, original containers at 5 to 40°C.

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Caution

This product is flammable. Keep container closed. Use with adequate ventilation. Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to health:

1. circulate adequate fresh air continuously during application and drying;
2. use fresh air masks and explosion proof equipment;
3. prohibit all flames, sparks, welding and smoking.

Do not empty into drains. Take precautionary measures against static discharges. For specific information on hazardous ingredients, required ventilation, possible consequences of contact, exposure and safety measures see Safety Data Sheet.

Safety

Since improper use and handling can be hazardous to health and cause of fire or explosion, safety precautions included with Product Data/Application Instruction and Material Safety Data Sheet must be observed during all storage, handling, use and drying periods.

Warranty

OAL warrants its products to be free from defects in material and workmanship. OAL's sole obligations and Buyer's exclusive remedy in connection with the products shall be limited, at OAL's option, to either replacement of products not conforming this warranty or credit to Buyer's account in the invoiced amount of the non-conforming products. Any claim under this warranty must be made by Buyer to OAL in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify OAL of such non-conformance as required herein shall bar Buyer from recovery under this

warranty.

OAL makes no other warranties concerning the product. No other warranties, whether express, implied or statutory, such as warranties of merchantability or fitness particular purpose, shall apply. In no event shall OAL be liable for consequential or incidental damages.

Any recommendations or suggestion relating to the use of the products made by OAL, whether in its technical literature, or response to specific enquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyer's having requisite skill and know-how in the industry, and therefore it is Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Limitation of Liability

OAL's liability on any claim of any kind, including claims based upon OAL's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. In no event shall OAL be liable for consequential or incidental damages.

Due to OAL's policy of continuous product improvement, the information contained in this Product Data/Application Instructions sheet is subject to change without notice. It is the Buyer's responsibility to check that this issue is current prior to using the product. For the most up-to-date Product Data/Application Instructions always refer to the OAL Protective & Marine Coatings website at www.oasisameron.com

To avoid any confusion that may arise through translation into other languages, the English version of the Product Data/Application Instructions will be the governing literature and must be referred to in case of deviations with product literature in other languages.

Condition of Sale

All our transactions are subject to our Terms and Conditions of Sale.

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