



OA 5064 Permapox Epoxy Primer

Product Data/ Application Instructions

- **Excellent inhibitive qualities**
- **Ease of application**
- **Can be used on a wide range of surfaces in concrete**
- **Can be overcoated with epoxy or polyurethane coatings directly**
- **Quick drying**
- **Short overcoating period.**

OA 5064 Permapox Primer is a versatile material suitable for use on a wide range of substrates. It is formulated to have strong adhesion with epoxy or polyurethane top coats.

Typical Uses

OA 5064 Permapox primer can be used with Oasis Ameron flooring material. (with the exception of water based systems). It can be used on concrete, steel and non ferrous substrates. Substrate preparation is detailed below.

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 5064 Permapox must be applied as recommend to obtain the maximum performance.

Physical Data

Finish	Flat
Colour	Pale Red & Clear
Substrate	Steel, Aluminium and concrete
Components	2
Curing Mechanism.....	By solvent release and chemical reaction between
Volume Solids.....	32% (ASTM D 2697)
Dry Film thickness	35 microns/per coat
Number of Coat	1
Calculated coverage.....	9.1 m ² /L at 35 micron
Allow for application losses, surface irregularities, etc.	
Application methods	Airless or conventional spray, brush or roller
Pot life at 20°C	8 hours
Pot life is dependent on temperature and quantities mixed.	
Drying time at 20°C @35 micron dft	
to touch	1 hour
to re-coat	3 hours
to topcoat.....	4 hours
Induction time at 20°C	NA
Thinner	OA 9HF
Cleaner	OA 12
Mixing ration(by volume):	
Resin	24°C
Cure.....	24°C
Thinner	30°C
Cleaner	3°C

**Volume solids is measured in accordance with ASTM-D-2697. Variations may occur due to colour and testing variance

OA 5064 Permapox

Surface Preparation

Steel . Blast to SA 2½ or SSPC-SP10.

Concrete. Sweep blast or acid etch.

Galvanize. Acid etch

Can be overcoated with :

OA 5450 Permathane

OA 5383 Permapox HB

OA 5501 Permaguard flooring

Application Equipment

AIRLESS SPRAY - Standard airless spray equipment
Dilute with OA 9HF Thinner only as required to achieve an even spray pattern (5-10% max)

CONVENTIONAL SPRAY – Standard Industrial equipment. Separate air and fluid pressure regulators. Mechanical pot agitator and a moisture and oil trap in the main air supply line are recommended. Dilute with OA 9HF Thinner only as required to achieve an even pattern (5-10% max)

BRUSH/ROLLER - For touch up purposes.

MIXER - Use power mixer powered by an air motor or an explosion proof electric motor.

Application Data

Substrate Steel, Aluminium and concrete

Application methods Roller,Airless or conventional spray

Environmental Conditions (during application and drying)

Air temperature: 0 to 50°C 32 - 122°F

Surface temperature: 0 to 60°C 32 - 140°F

Drying time at 20°C @35 micron dft

to touch 1 hour

to re-coat 3 hours

to topcoat 4 hours

Induction time at 20°C NA

- Depending on ambient temperature & surface conditions.

Surface temperature must be at least 3°C/5°F above dew point to prevent moisture condensation on the surface. 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.

Thinners OA 9HF

Cleaner OA 12

OA 5064 Permapox

Application Procedure

OA 5064 Permapox is packed in the proper mixing proportions of resin base and curing solution which must be mixed together.

19.2 ltr resin in 20 ltr can
.8 ltr cure in 1 ltr can

1. Flush equipment with OA 12 before use.
2. Stir both resin base and curing solution to an even consistency with a Power mixer.
3. Add curing solution to resin solution and continue stirring for 5 minutes.
Note : donot mix more material than will be used with 20 hours at 21°C. Pot life is shortened by higher temperatures.
4. Dilute with OA 9HF thinner only as required to achieve an even spray pattern.
5. For conventional spray, thin only as needed for workability within not more than 10 vol% of OA 9HF. Thinning is normally not required.
6. Application 25-50 microns dry film thickness per coat is to be advised.
7. Ventilation with air is required during application and drying
8. Clean all equipment after application with OA 12 Cleaner.

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

Packing:

Resin 19.2 L
Cure..... 0.8 L
Product 20 L

Shipping weight:

Resin Approx 22.16 kg
Cure..... Approx 2.56 Kg

Storage out of sun light.

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

OA 5064 Permapox

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.oasisameronpaints.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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