



Permatop 2600

Acrylic Aliphatic Polyurethane

Physical Data

- Outstanding weather resistance
- High UV exposure resistance
- Excellent colour and gloss retention
- Resists soil pick up - easily cleanable
- Hard, tough, flexible, and abrasion resistant
- Cure through a wide temperature range
- Recoatable with itself

Typical Uses

As a highly durable finish coat where an attractive appearance and a wide range of corrosion resistance is required for chemical plants, pulp and paper mills, offshore platforms petroleum refinery containers etc.

Systems Using Permatop 2600

Permatop 2600 can be applied directly over epoxies, zinc rich primers, texture paint systems, a clear coat for concrete, bricks or as a glossy finish coat over high-build epoxies and other substrates.

Outstanding Characteristics

Permatop 2600 is an Acrylic Aliphatic Polyurethane coating, which has excellent resistance to weathering, and provides durability in chemical, industrial and marine environments. Permatop 2600 forms a hard, tough, flexible and abrasion resistant coating with excellent colour and gloss retention.

Finish..... Gloss, SG, Matt

Colour..... Clear, RAL and BS colours*

Components.....2

Mixing ratio (volume).....4:1 resin to cure
(by Weight)6.81:1 resin to cure

Curing mechanism solvent evaporation and reaction between

components Volume solids $63 \pm 3\%$ *

Dry film thickness 50 to 100 microns per coat

Number of coats..... 1

Theoretical coverage..... 11.4 m²/L at 50 microns.

allow for application losses, due to surface irregularities etc.

Temperature resistance °C

Continuous.....

92 dry

Intermittent 120 dry

Flashpoints °C

Cure.....	30
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Resin 30

Thinner 55 24

Thinner OA 55

Cleaner..... OA 55

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

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Surface Preparation

STEEL-Prepare surface in accordance with Application instructions for the specific primer being used. Be sure primed area is clean and dry when Permatop OA 2600 is applied.

CONCRETE- Sweep blast or acid etch. Concrete must be fully cured, well intact and free of loose particles/contaminations.

Application equipment

The following equipment is listed as a guide. Suitable equipment from other manufacturers may be used. Adjustments of pressures and of tip sizes may be needed to obtain the proper spray characteristics.

AIRLESS PRAY- Standard airless spray equipment such as Graco with a 0.38 o 0.43mm (0.015 o 0.021 inch) orifice/ tip.

CONVENTIONAL SPRAY- Industrial equipment such as Devilbiss MBC or JGA gun with 78 or 765 air cap and " E" fluid tip.

ROLLER - Soft & Smooth roller is recommended
BRUSH - For hard-to-reach areas, corner edges

MIXING- Use power mixer. Mixer must be powered by an air motor or an explosion proof electric motor.

Application Data

Substrates..... Primed Steel, Concrete & others

Surface preparation..... Refer to the Product Data Sheets of specific primer or intermediate coatings. Surface to be fully cured, sound, and cleaned prior to application.

Application method..... Airless or conventional spray, brush or roller.

Environmental conditions

Air temperature 0-50 °C 32-122 °F

Surface temperature 0-60 °C 32-140 °F

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

Pot life (40°C/ 104°F) 6 hour

Drying times (°C/°F) 40/104 32/90 21/70

Dry to touch 30 min 45 min 1 hr

Dry through (hours) 2 h 4 h 8 h

Fully cured (days) 3 d 5 d 7

Thinner OA 55

Equipment cleaner OA 55

* Permatop OA 2600 can be recoated with itself when dry through. However, surfaces must be clean, dry and free of contamination immediately prior to recoating. OAL Technical Service team can advise on suitable cleaning methods.

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Application Procedure

Permatop OA 2600 is packed in the proper mixing Proportions of resin base and curing solution which must be mixed.

16 ltr resin in 20 ltr can
4 ltr cure in 5 ltr can

1. Flush equipment with Thinner 55 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: Do not mix more material than will be used with 20 hours at 21°C. Pot life is shortened by higher temperatures.
4. For conventional spray, thin only as needed for workability within not more than 10 vol % of Thinner 55. Thinning is normally not needed.
5. Apply a wet coating even parallel pass. Overlap each pass 50% to avoid bare areas, pinholes, or holidays.
6. Give special attention to corners, welds, rough areas, edges etc.
7. The application of 88 microns will normally provide 50 microns (2 mills) dry film.
8. Check thickness of dry coating with a non-destructive dry film thickness gauge. Such as Mikrotest or Elcometer. If less than specified thickness, apply additional material as needed.
9. Small damaged or bare areas and random pinholes or holidays can be touched up by brush. Repair large areas by spray.
10. In confined areas ventilate with clean air during Application and drying until all solvents are removed. Temperature and humidity of ventilating air must be such that condensation will not form on surface.
11. Clean all equipment with Thinner 55 immediately after use or at least at the end of each working day or shift. When left in spray equipment, Permatop OA 2600 will cure and cause clogging'.

Drying & Curing times(at 50 microns)

To touch 1- 2 hours 21°C
Dry through 8 hours 21°C

Curing time is temperature dependent.
At 21°C seven days are required for a full cure.
For mild atmospheric exposure, coating may be placed in service before it is fully cured

Repair

For repair, or application of additional thickness, Permatop OA 2600 has a long-term over coating period with itself. Ensure surface is clean, dry and free from contamination immediately prior to application.

Packaging

Resin 16 L
Cure 4 L

Shipping weight

Resin..... approx. 27.00 kg
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Cure approx. 4.30 kg

Minimum shelf life

Resin and cure, 1 year from shipment date when stored indoors in unopened, original containers at 5 to 40°C (41 to 104°F)

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Caution

This product is flammable. Keep away from heat and open flame. 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 the 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 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.

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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 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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