



OA 9553

Permaseal Quick drying Alkyd Enamel

Product Data/ Application Instructions

- Quick Drying
- Good covering power
- Good color retention
- Simply to apply
- Adheres well to quick drying primers
- Easy handling and recoat qualities
- Bright attractive finish
- Lead free

OA 9553 is a quick drying styrenated alkyd enamel coating for structural steel. Intended for use in dry or mild corrosive conditions.

Typical Uses

For use on all suitably prepared & primed surfaces when quick drying qualities are required. i.e. Pre-engineered buildings that are prepared and treated on a production line basis or where early handling or transport is necessary.

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 9553 must be applied as recommend to obtain the maximum performance.

Physical Data

Finish.....	Glossy
Colour	Full range
Components	1
Curing mechanism	solvent release and reaction with oxygen from the air
Volume solids	48% (ASTM-D-2697) *
Dry film thickness	25 µm
Number of coats	1-2
Calculated coverage	19.6 m ² /l at 25 µm

Note: when computing working coverage, allow for application losses, surface irregularities, etc.

Flash points.....	°C
OA 9553	26
Thinner 21-06	24

Packaging 20 ltr / 200 ltr

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

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

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Surface Preparation

Remove by appropriate means grease, oil, mill scale, corrosion deposits, weld slag, spatter, or other surface contamination.

Application Equipment

The following equipment is listed as a guide and suitable equipment from other manufacturers may be used. Adjustments of pressure and change of tip size may be needed to obtain the proper spray characteristics.

AIRLESS SPRAY - Standard airless spray equipment using tip size 0.11" to 0.14".
Dilute with Thinner 21-06 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 Thinner 21-06 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

Application methods airless-, conventional spray, brush *

Environmental Conditions (during application and drying)

Air temperature: 0 to 50°C

Surface temperature: .. 0 to 50°C

Drying time at 20°C **

To touch 10-20 minutes

To re-coat 1 hour

Surface temperature must be at least 3°C above dew point to prevent moisture condensation on the surface. Do not attempt to apply heavier coats at elevated temperatures as this may cause sagging or surface wrinkling. Apply coating at recommended film thickness.

* Brush roller application for touch up purposes

** Depending on ambient temperature, film thickness and ventilation.

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Application Procedure

OA 9553 is a one component product and packaged in a 20 ltr or 200 ltr unit.

1. Mix material thoroughly.
2. Thinning of up to 5-10 % (max) by volume may be necessary to create an even spray pattern. For brush application do not add thinner, except to compensate for evaporation of solvents from the container.
3. Application 25 microns dry film thickness per coat.
4. Ventilation with air is required during application and drying
5. Spray on a heavy, wet coat, making even parallel passes. Overlap each pass 50% to achieve an even spray patten and to avoid pinholes, bare areas and holidays.
6. Double-lap spray all corners, welds, rough spots, edges, etc.
7. Clean all equipment after application with Thinner 21-06.

Repair

If coated surface is superficially damaged, lightly sand to feather damaged areas and apply 2 coats of OA 9553. If damaged to bare metal, apply primer as suitable and top coat with 1 or 2 coats of OA 9553.

When repair is carried out by brush and in case of evaporation loss, thin with 5- 10 % (max) on volume of Thinner 21-06.

Consult with PPG Technical Service Department for specific primer recommendations

Shipping Data

Packaging in 20ltr or 200 ltr

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

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

PPG warrants its products to be free from defects in material and workmanship. PPG's sole obligations and Buyer's exclusive remedy in connection with the products shall be limited, at PPG'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 PPG 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 PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

PPG 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 PPG be liable for consequential or incidental damages.

Any recommendations or suggestion relating to the use of the products made by PPG, 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

PPG's liability on any claim of any kind, including claims based upon PPG'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 PPG be liable for consequential or incidental damages.

Due to PPG'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 PPG Protective & Marine Coatings website at www.ppgpmc.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.