



PermalasticTM OA 2200

Waterborne Acrylic Topcoat Exterior

Product Data

Description

This superior coating is a High Gloss Acrylic Emulsion. It is a water borne thixotropic decorative wall paint for interior and exterior use. It is highly washable and resists fading. Completely free from lead. A truly attractive finish.

Recommended uses

Permalastic OA 2200 can be used on a wide range of cementitious substrates either primed or unprimed. Plaster, cement, concrete, masonry, Primed wood or metal. Areas of damp or humidity. Ideal for concrete structures in exposed or Industrial Environments.

Principal Properties :

1. Water vapour permeable.
2. Anti Carbonation properties.
3. Alkaline resistant
4. Good covering capability
5. Exceptional flexibility
6. Good adhesion.
7. Almost odourless
8. Easy to apply
9. Good colour retention.
10. Excellent weather resistant properties.
11. Excellent washability and scrubability.
12. Good flow & drying properties.

Application methods : Brush ,Roller , Spray & Airless Spray
Thin as required with sweet water to allow for porosity and to achieve good workability.

Dilution rates : (with sweet water)
Up to 30% depending on Ambient conditions, method of application, surface porosity etc.

Surface Preparation :

For primed surfaces or painted surfaces in good condition:
Clean & degrease. Remove all surface contamination.

For Unprimed surfaces : Neutralize if required. Clean & degrease. De-dust and remove all surface contamination.

Recommended Primer : Permalastic OA 1720

Note : Suitable for Top coating Permalastic 2900 Elastomeric Compound.

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Physical Data

Volume Solids 40% (ASTM D 2697) *

Finish Gloss

Colour As per colour card

Concrete
@ 75 microns DFT 5.33 m² /Lt

Drying time
To Touch 2 hours
To re-coat 24 hours

- Depending on Ambient conditions surface porosity etc.

Thinners Sweet water

Flash point Non flammable.

Application method Brush, Spray/Roller

Packing size 20 Ltr

Shelf life 12 months

Storage Out or sun light

Storage Temp 5°C upto 40°C

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

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

Application Instructions

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Waterborne Acrylic Topcoat

Surface Preparation

Coated Surfaces - Ensure surfaces are clean, free from dust, oil, grease, dirt or other contaminants. Depending on condition and cleanliness of surface, cleaning by high pressure water washing (70 atm/1000 psi or higher) may be required. If substrate coatings is not an approved Oasis Ameron Primer, a test patch should be applied to confirm adhesion.

Concrete- New Concrete : Clean concrete surfaces from laitance and foreign matter by sweep blasting.

Old concrete - Contact your Oasis Ameron representative for specific recommendations if concrete surfaces have been coated before or for specific coating repair procedures for disintegrated concrete.

Note : Do not use form release agents, concrete curing compounds or hardeners. If used already, a test patch is recommended to confirm adhesion. If in doubt contact your Oasis Ameron representative.

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, such as Graco, DeVilbiss, Nordson Bede, Speed-Flo, or others and a fluid tip with a 0.28 to 0.43 mm(0.011 to 0.17 inch) orifice.

Conventional Spray - Industrial equipment such as DeVilbiss MBC or JGA gun with 75 or 765 air cap and "E" fluid tip and heavy mastic spring or Binks No. 18 or 62 with a 66 x 63 PB nozzle setup. Separate air and fluid pressure regulators and a mechanical pot agitator are recommended. A moisture and oil trap in the main air supply line is essential.

Mixer - Use power mixer, Mixer must be powered by an air or electric motor.

Brush - Natural bristle, Maintain a wet edge.

Roller - Industrial solvent resistant roller. Level any air bubbles with bristle brush.

Environment conditions
(During application and drying)

Air temperature : 5 to 45°C
Surface temperature : 5 to 50°C
Material temperature..... : 10 to 40°C
Relative Humidity (RH)

5 to 10°C : max. 60%
10 to 40°C : max. 85%
> 40°C : max. 95%

To prevent moisture condensation during application, surface temperature must be at least 3°C above dew point. Never apply coatings under adverse environmental conditions. Ensure good ventilation when applied in confined areas to assist evaporation and elimination of solvents.

Drying and Curing (at 50 microns and RH outlined under Environmental Conditions)

| | | | |
|------------------------|------|------|------|
| Drying times | 10°C | 20°C | 30°C |
| to touch (min.) | 45 | 15 | 15 |
| to handle(min.) | 120 | 30 | 15 |
| to recoat(hours)..... | 6 | 1 | 1.5 |

Note : Drying and curing times are dependent on air and substrate temperature, applied film depth

Safety Sheet

PermalasticTM OA 2200 (Rev HA) Waterborne Acrylic Topcoat

A. Safety Comment

Permalastic OA 2200 Acrylic Topcoat is a waterborne material which does not contain lead or any toxic substances. There is no danger of explosion. However the following Safety Precautions should be adopted.

B. Safety Instructions

1. Ventilate work area (in enclosed work zones).
2. Avoid inhaling or ingesting Product (Use Mask for all spray Application).
3. Protect eyes. If product gets into eyes wash out with water until clean.
4. Wash hands regularly before eating.
5. Cover the Skin as much as possible. Use barrier creams if necessary.
6. Take care when using Airless spray equipment to avoid injury. Use spray guard and set trigger lock when out of use.

C. Safety Precautions.

Warning! Vapour and Spray mist can be harmful. Irritating to eyes, skin, mucous membranes and respiratory system: can cause headache, nausea, dizziness or asphyxiation and/or lung injury. Skin sensitization or allergic reaction can occur such as rash or hives. Overexposure to vapours. Spray mist or dust can cause delayed lung injury.

First Aid- For overexposure to vapour, provide fresh air; if breathing is laboured, give artificial respiration or oxygen. For skin contact, wash thoroughly with soap and water. For eyes, flush immediately with plenty of water for at least 15 minutes and get medical attention. If swallowed, drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Consult physician or poison control center immediately. Treat symptomatically.

Hygienic practices - Wash thoroughly after use and before eating, smoking or using washroom. Launder contaminated clothing before use.