

Omega High Solids Fast PolyAspartic Coating

Production Description

Heavy duty, two pack ,extra durable Polyaspartic coating for areas subject to wear, exposure to metal corrosion. This contains Zinc Phosphate in it to give corrosion protection. Suitable as a gloss finish coat on properly primed metal substrates such as galvanized iron. This material has a short pot life and can set at low temperatures. This material is solvent free. Can also be applied directly on bare concrete surface after proper surface preparation without any sealer. Available in a wide range of industrial colours. This product is suitable for corrosion protection of metals. For superior chemical resistant applications a Solvent free two part Polyaspartic Coating is recommended.

Guarantee Condition:

Omega Guarantees this product will last up to five years if applied by a professional. Method of Application and Surface Preparation instructions must be followed.

Technical Data

Colour	White, Black, Grey and Australian Standards AS2700 colours Please advise if Aluminium is required.
Solvent Resistance	Great resistance against all types of solvent except only fair to acetone
Toxicity	Dry film is not toxic
Thinning & Clean Up	Omega GP Thinner or Omega Xylene r/Use up to 10% thinner depending on weather conditions
Theoretical Coverage*	6 to 8 sq. m.per litre at 80 µm DFT / Depends on surface profile
Drying Time (at 25°C & RH 60%)**	Touch dry 1 - 2 hours ** / Recoat 16- 24 hours **
Mixing Ratio	4:1 (By Volume)
Pot Life (at 25°C & RH 60%)***	1-2 hrs/ takes longer in cold conditions.
Packs available	4 litre and other packs on request

*Practical coverage depends on surface profile, method of application and dry film thickness. Higher film thickness leads to lower coverage.

** Cooler temperature, higher film thickness, or higher humidity conditions will lead to longer drying times.

***Must use within the specified time otherwise the paint will start curing in can and will not be suitable for application anymore.

Method of Application

Can be applied by spray, brush or roller. Please use the method best suited to your requirement and skill. The use of either a synthetic sleeve of 10-mm nap or a foam sleeve, both with phenolic cores on a smooth surface is recommended. For airless application, use optimum pressure of 2200 psi with tip size 0.013- 0.015 inches. The addition of aggregate may be added to the coating to provide a slip resistant surface. Slip resistance is recommended on sloping or steep surfaces

Surface Preparation

Steel & Galvanized Iron: Blast clean the surface or sand thoroughly with emery paper to remove all rust and scale. Dust off and wipe the surface clean with thinner to remove oil, grease and other contaminants. This material has very good adhesion on metals .If required the prepared metal could be primed with Rustblock Etch primer.

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Application

Stir the contents of the Base before mixing with the Hardener in exact recommended ratio. Mix the two together. It is recommended that on suitably prepared steel, the first coat of Omega Two Pack Polyaspartic coating is applied after 10-15% thinning to result in a DFT of approximately 50 microns. On hot days, addition of thinner may be required periodically to maintain an even flow. Allow film to dry thoroughly and evenly before application of second coat (usually after 12 hours, in ideal weather conditions). The second and subsequent coats may be applied with 10% thinning (as dictated by ambient conditions). Do not apply more than three coats. If application takes a long time it is advisable to replenish the evaporating thinner in the tray periodically.

Coating Maintenance

Washing the painted surface periodically will maintain the look of a newly painted surface longer. Clean the surface with a diluted mild detergent and rinse well with clean water. Do not use scouring pads, abrasive brushes, high pressure washing or solvent to clean the painted surface. These will damage the paint film and cause premature failure of the coating.

Mixing and Colour Check

Mix the paint thoroughly before application with a wide flat (25mm) paddle or a hand paint mixer with a perforated base, in a circular lifting motion from the bottom of the container for 5 minutes or until the paint and colour are thoroughly mixed. Remix the paint every 2 hours to ensure product consistency.

Check colour to the colour chart/standard prior to application. Inner mix multiple containers together to ensure colour consistency. Replace and secure container lid during painting to prevent the paint drying within the container

Flammability & Transport

- Keep away from heat and flame, eliminate any source of ignition.
- Soak all used cloths and rags immediately in water to prevent self-ignition.
- Ensure container is upright with lid secure.
- Ensure the container is secured in the vehicle for transport.

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Environmental

- Do not wash coating equipment and allow waste to enter drains and water ways.
- Do not dispose of unwanted coating and thinners that will enter drains and water ways.
- Refer to state EPA web site for disposal details.

Safety & Precautions

- Do not apply when surface temperature is below 10⁰ C or over 35⁰ C
- Do not apply in environments of high humidity/moisture, or if pending rain is a possibility.
- Once two components are mixed, must use within its pot life as specified in earlier section
- Apply in calm fine weather conditions and only during daylight hours.
- Cease painting 2 – 4 hours before sunset or if weather changes are forecast.
- Do not apply early morning if dew or frost is present.
- Use only the recommended thinner for dilution and cleaning.
- Check paint colour to the colour chart/standard prior to application
- Provide adequate ventilation during use.
- Keep out of reach of children.
- Check cross cut adhesion test of old coating before repainting.
- Apply a test sample for compatibility of this product over a small test area.
- Always refer to SDS prior to commencement of application.

First Aid

- If swallowed, do not induce vomiting. Give plenty of water to drink. Contact a doctor or the Poisons Information Centre. Phone 131126 (Australia).
- If in eyes, hold eyes open and flood with water for at least 15 minutes. Seek medical attention if any irritation persists.
- If on Skin, remove contaminated clothing, wash skin thoroughly with soap and water. Do not use solvents.
- If affected by inhalation, remove person to fresh air. If breathing difficulties persist or occur later, contact a medical doctor

Disclaimer: In lieu of all warranties expressed or implied, the seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither the seller nor manufacturer shall be liable for any injury, loss, damage, direct or consequential, arising out of the use of or inability to use this product. Since the use and application of this product is beyond the control of the seller and the manufacturer, the purchaser and user assumes all risk and liability whatsoever, in connection with this product therewith.

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Reviewed June 2019