

Omega Two Pack HB Epoxy Floor Coating 460

Production Description

Heavy duty, two pack, polyamide cured epoxy coating for floors in areas subject to heavy wear, exposure to chemicals, solvents and other industrial fluids. Can be applied directly on bare concrete surface after proper surface preparation without any sealer. Available in a wide range of industrial colours.

Areas of Application

Ideally suited for floors in mechanical and chemical industries. Also suitable as finish paint on steel structures, pipelines and tankages in marine and chemical environment.

Not suitable for areas where ground water is likely to rise through the substrate.

Technical Data

Colour	White, Black, Grey and Australian Standards AS2700 colours
Solvent Resistance	Very Good
Toxicity	Dry film is not toxic
Thinning & Clean Up	Omega GP Thinner or Omega M.E.K Thinner/ Use up to 10% thinner depending on weather conditions
Theoretical Coverage*	8 - 10 sq. m.per litre at 50 µm DFT / Depends on surface profile
Drying Time (at 25°C & RH 60%)**	Touch dry 6 - 8 hours ** / Recoat16- 24 hours **
Mixing Ratio	3:1 (By Volume)
Pot Life (at 25°C & RH 60%)	6 hours
Packs available	4 litre and 20 litre Packs

*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.

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

Concrete: Ensure that the surface is dry and free from dirt, moisture, contaminants like grease, oil, wax, moss, mould, dust or loose material. New concrete surfaces should be allowed to cure 4 – 6 weeks. All cracks and damaged areas should be repaired. Smooth troweled concrete must be acid etched to ensure proper adhesion. Wash surface thoroughly after acid etching to remove all traces of acid. Allow complete drying for 3-4 days.

Previously painted surface shall be subjected to thorough removal of loose & flaking paint. Oil, grease & other contaminants shall be removed by cleaning with mild detergent solutions and rinsed well with clean water. After preparation, touch up bare areas with Omega Two Pack HB Epoxy Floor Coating 460 and allow to dry before following with two full coats. When applying over an unknown coating, please test the adhesion & compatibility of this product over a small test area.

Note: If when rinsing the surface, the water beads on any area of the surface, then the surface has contamination and therefore the paint coating could lose adhesion and fail.

Steel: 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.

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Application

Stir the contents of the Base before mixing with the Hardener in recommended ratio. Mix the two together and allow 15 minutes maturation. It is recommended that on suitably prepared bare concrete, the first coat of Omega Two Pack HB Epoxy 460 is applied after 20% 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 10-15% 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.

Important Note on Driveways and Garage Floors: Hot Tyre Pick Up

Hot tyre pick up is a common problem with painted driveways and garage floors. Although the coating dries quickly, and can be walked on in a few hours, the coating needs to cure before allowing traffic onto the surface. Depending on the weather conditions, allow the paint to cure for at least 1 week before parking on the surface. Even then, if the vehicle has been driven a distance, and the tyres hot, park the vehicle on the roadway and allow 10 - 20 minutes for the tyres to cool, before parking on the painted surface.

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

- Highly flammable, Dangerous Goods Class 3.2, Flash Point 23 °C. BASE- UN 1263, PG III, HARDENER- UN 2206 PG III
- 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.

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.

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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.
- 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.

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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