

Ozone Epocoat

High performance solvent base coating

Description	A range of solvent based, chemically resistant floor coating, available in clear and attractive colours, designed to seal, dust proof and protect concrete floors and other surfaces against the ingress of dirt, oil, grease and a variety of chemicals. Colors: Light Grey, Mid Grey, Slate Grey, Tile Red, Corn, Magnolia, Blue, British Racing Green, Mushroom and Clear.																																										
Uses	Suitable for areas subjected to foot and light vehicular traffic such as factories, garage showrooms, dairies, kitchens, workrooms etc. Ozone Epocoat equally suitable for walls, may also be used as a sealer on resin based screeds where cleanliness is important or where particularly wet conditions are encountered																																										
Advantages	<ul style="list-style-type: none">▪ Dusting eliminated along with the associated hazards.▪ Improves working environment.▪ Pre-weighed pack for simple mixing.▪ Hardwearing, durable and long lasting.▪ Easily cleaned hence reducing maintenance costs.▪ Quickly and easily applied by semi-skilled labor.																																										
Chemical Resistance	Performance of Ozone Epocoat tested by immersion at 20°C against a range of aggressive chemicals. Acids <table><tr><td>Hydrochloric Acid (Conc.)</td><td>Fair</td><td>Nitric Acid 25%</td><td>Good</td></tr><tr><td>Sulphuric Acid 50%</td><td>Good</td><td>Lactic Acid 10%</td><td>Good</td></tr><tr><td>Acetic Acid 10%</td><td>Fair</td><td>Citric Acid 20%</td><td>Good</td></tr></table> Alkalines <table><tr><td>Sodium Hydroxide 50%</td><td>Good</td><td>Ammonia 10%</td><td>Good</td></tr></table> Solvents <table><tr><td>White Spirit</td><td>Good</td><td>Methylated Spirit</td><td>Good</td></tr><tr><td>Xylene</td><td>Good</td><td>Butanol</td><td>Good</td></tr></table> Oils <table><tr><td>Lubricating Oil</td><td>Good</td><td>Petrol</td><td>Good</td></tr><tr><td>Skydrol</td><td>Good</td><td></td><td></td></tr></table> Aqueous Solutions <table><tr><td>Sodium Hypochlorite (Bleach)</td><td>Good</td><td>Sugar Solution (Saturated)</td><td>Good</td></tr><tr><td>Salt (Sodium Chloride Saturated)</td><td>Good</td><td>Ammonium Sulphate (10%)</td><td>Good</td></tr></table> <p>It should be noted that the ability of Ozone Epocoat to resist attack is dependent on the temperature and concentration of the chemicals. If in doubt contact Ozone technical department.</p>			Hydrochloric Acid (Conc.)	Fair	Nitric Acid 25%	Good	Sulphuric Acid 50%	Good	Lactic Acid 10%	Good	Acetic Acid 10%	Fair	Citric Acid 20%	Good	Sodium Hydroxide 50%	Good	Ammonia 10%	Good	White Spirit	Good	Methylated Spirit	Good	Xylene	Good	Butanol	Good	Lubricating Oil	Good	Petrol	Good	Skydrol	Good			Sodium Hypochlorite (Bleach)	Good	Sugar Solution (Saturated)	Good	Salt (Sodium Chloride Saturated)	Good	Ammonium Sulphate (10%)	Good
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Standard compliances	Complies with BS 476, Part 7: 1971 - Class 1																																										
Properties	20°C	35°C																																									
Pot life :	4 hrs	1.5 hrs																																									
Tack free time :	4-6 hrs	2-4 hrs																																									
Time between coats :	6-24 hrs	4-16 hrs																																									
Initial hardness :	24 hrs	18 hrs																																									
Full cure :	7 days	5 days																																									
Wet film thickness(per single coat) :		100 microns																																									
Total dry film thickness(2 coats) :		90 microns																																									
Packaging	1 kg and 2.5kg units																																										
Storage	Store in dry and cool place below 35°C. Protect from direct sunlight.																																										
Shelf life	12 months if store properly in original unopened packaging.																																										
Instruction for use	Surface preparation: The surface to be treated should be dry, sound and free from loose materials. New concrete should be at least 28 days old before application. Damaged or worn areas should be repaired using Ozone Epo Fair Crete. Any laitance should be removed by physical methods or by acid etching. Should the strength or the surface stability of the concrete base be in doubt, then we recommend a trial patch of Ozone Epocoat be applied to assess its suitability. On highly polished/power floated floors, mechanical preparation or acid etching will be necessary. Steel surface: Steel substrates should be grit blasted to surface quality SA 2½ (BS 4232: Second quality) and primed with a single coat of Ozone Epoprime.																																										

Mixing:

The base and hardener components of Ozone Epocoat should be thoroughly stirred before the two are mixed together. The entire contents of the hardener container should be poured into the base container and the two materials mixed thoroughly at least 3 minutes. The use of a heavy-duty slow speed, flameproof or air driven drill fitted with a Mixing Paddle is desirable. Mix these components in the quantities supplied taking care to ensure all containers are scraped clean. Do not add solvent thinners at any time.

Application:

The mixed Ozone Epocoat should be applied to the prepared surface using airless spray, brush or lambs wool roller. Ensure that the area is completely coated and that 'ponding' of the material does not occur. The second coat may be applied as soon as the first coat has initially dried (typically 12 to 18 hours). The time will be dependent on the type of surface and the ambient conditions.

Coverage:

Ozone Epocoat : 10 m²/litre @ 100 microns wft per coat
(2 coat application recommended)

Ozone Epoprime : 5 - 6 m²/litre

Cleaning & disposal

Ozone Epocoat should be removed from tools and equipment with Ozone Solvent immediately after use. Hardened material can only be removed mechanically. Do not dispose off into water or soil but according to local regulations.

Precautions & limitations

Ozone Epocoat should not be applied onto surfaces known to or are likely to suffer from rising dampness or have a relative humidity greater than 75% as measured in accordance with BS 8203 Appendix A or by Protimeter thermohydrometer.

Health & Safety

Ensure adequate ventilation and avoid inhalation of vapours. Some people are sensitive to resins, hardeners and solvents. Wear suitable protective clothing, gloves, and eye protection. If working in confined areas, suitable respiratory protective equipment must be used. The use of barrier creams provide additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

Fire

Ozone Epocoat and Ozone Solvent are flammable.

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WARRANTY: Ozone products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale. Ozone makes no warranties, implied or otherwise, as to the merchantability or fitness for ordinary or particular purposes of its products and excludes the same. If any Ozone product fails to conform with this warranty, Ozone will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made period from the date of the claimed breach. Ozone does not authorize anyone on its behalf to make any written or oral statements which in any way alter Ozone's installation information or instructions in its product literature or on its packaging labels. The user of the Ozone products must test the products for suitability for the intended application and purpose before proceeding with the full application of the products.