EPOXY SEALER 100

PRODUCT INFORMATION

	<u>Stock No.</u> 12540	<u>Package Size</u> 5kg
Description	Epoxy Sealer is a two component epoxy coating system for sealing and water proofing concrete, masonry and wood surfaces.	
Recommended Applications	 Durable floor coating for high traffic areas Chemical resistant coating Primer for damp surfaces Concrete inlet channels General floor coating Non-corrosive hardener 	
Approvals	Authorised by USDA for use in federally inspected meat and poultry plants	

PRODUCT DATA

Typical Physical Properties	Colour Mix Ratio by Volume Mix Ratio by Weight % Solids by Volume Pot life at 25°C/ mins Specific Volume CC/Kg Cured Shrinkage cm/cm Density g/cm ³ Temperature resistance / °C Coverage Cured Hardness / Shore D Dielectric Strength KV/mm Adhesive Tensile Shear / MPa Compressive Strength MPa Coefficient of Thermal Expans cm/cm/°C Thickness per Coat / mm Functional Cure Time /Hours Recoat Time /Hours Mixed Viscosity /cps (where a	a sion x10 ⁻⁶ pplicable)	Clear 2.2 : 1 2.8 : 1 100 35 765 N/A 1.3 Wet 38°C Dry 82°C 15 sqm/pack @ 0.25mm 85 N/A N/A N/A N/A N/A 0.25mm 24 8-10 2000	
Chemical Resistance	7 days room temperature cu Ammonia Cutting Oil Ethyl Alcohol Gasoline (Unleaded) Hydrochloric Acid 10% Methyl ethyl Ketone (MEK) Epoxies are very good in water and propylene glycol. Epoxies	Tre (30 days) Excellent Very Good Fair Very Good Very Good Poor , saturated salt are generally n	• Testing carried out 30 days imme Methylene Chloride Sodium Hypochlorite 5% (Bleach) Sodium Hydroxide 10% Sulphuric Acid 10% Xylene solution, leaded gasoline, mineral spiriot recommended for long term exposur	rsion at 24 °C Poor Very Good Excellent Very Good Very Good ts, ASTM #3 oil re to
	concentrated acids and organic Excellent = +/- 1% weight cha Very Good = +/- 1-10% weight Fair = +/- 10-20% weight change Poor = > 20% weight change	: solvents. nge change je		



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APPLICATION INFORMATION

Surface Preparation	Proper surface preparation is essential to the success and performance of Devcon Epoxy Sealer 100. In all cases, the application surface must be sound, rough, clean, oil-free and dry.
	NEW POURED CONCRETE should be allowed to cure fully (28 days @ 21 ^o C) prior to application. If a curing membrane was used, it must be removed by sanding or etching with a strong detergent. If no curing membrane was used, the surface should be etched using environmentally-safe acid etch.
	OLD CONCRETE application procedures are the same as for new concrete, except it is essential to thoroughly clean the surface. Use a grease-cutting detergent to remove grease and oils. All loose or unsound concrete should be removed by suitable mechanical means such as chipping, scarifying, shot blasting, sanding or grinding. Large holes / areas of damage should be filled with Devcon Floor Patch or equivalent.
	PREVIOUSLY COATED CONCRETE , that is not to be taken back to the original substrate, should be carefully considered as the coating system will only ever be as strong as the weakest component in the system. An existing coating which is degraded in any way should be removed completely by suitable means. If the coating is intact, the surface should be cleaned thoroughly with a strong detergent and sanded lightly to create a profile. Any areas where the finish has worn down to the original concrete should be treated as bare concrete.
	To ensure that EPOXY SEALER 100 will bond to the old surface, a spot test should be made. Mix a small quantity of the epoxy resin and hardener and apply the compound to a small, clean test area. The old coating may not be compatible, wait 5 days and test the bond strength of the application by scraping with a sharp instrument, or use the pressure-sensitive tape test as follows: Cut an 'X' into the surface, place the tape firmly over the cut and remove the tape with a hard fast pull. If the coating fails either test, remove the old finish by sanding or using a paint stripper.
Mixing	Pour contents from hardener container into the resin pail. Using a Jiffy Mixer Blade, Model ES or equivalent, blend the two components thoroughly at 200rpm for 3 minutes. Care should be taken when mixing to prevent the incorporation of air into the product as thus can adversely affect the quality of finish achieved.
Application	After the surface has been prepared, Epoxy Sealer 100 can be mixed and applied either by short or medium nap roller only or, on larger areas, initially spread with a notched squeegee followed finishing with a short or medium nap roller to obtain a uniform surface. Coverage will vary depending on the substrate finish. A two coat approach is favorable although not essential to optimize coverage and minimize potential pinholes resulting from substrate out gassing.
Shelf life & Storage	A shelf life of 3 years from date of manufacture can be expected when stored at room temperature (22°C) in original containers.
Precaution	For complete safety and handling information please refer to the appropriate Material Safety Data Sheets prior to using this product.
Warranty	Devcon will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control we can accept no liability for the results obtained.
Disclaimer	All information on this data sheet is based on laboratory testing and is not intended for design purposes.ITW Devcon makes no representations or warranties of any kind concerning this data. For product information visit <u>www.bigagroup.com</u> / <u>www.devconeurope.com</u> alternatively for technical assistance please call +385 52 880 882 or send an e-mail to biga@biga.hr.



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