

EP Quartz Sealer

EQ-100-S

100% Solids Clear, Epoxy Seal Coat for Quartz Systems



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Description

EQ-1000-S is a two-component epoxy with good penetrating properties for use on concrete and polymer modified cementitious screeds. Epoxy resin is an excellent adhesive material, ideal for flooring application. **EQ-100-S** is 100% solids, low viscosity consisting of 2 pre-measured components.

EQ-1000-S is designed to seal epoxy quartz systems, seal with one tight coat with an additional tight coat if required at 200g per m² per coat (2 Coats Recommended)

Coverage

Coverage varies widely due to the porosity and profile of different substrates.

200g/m² per coat (2 Coats Recommended)

* Coverage figures given are theoretical. Practical coverage rates may vary due to wastage factors and the type, condition, profile and porosity of the substrate.

Environmental Conditions

EQ-1000-S should not be used or applied at temperatures outside of at range of <10°C to >25°C

*temperature control will be required if below this range.

Otherwise, this will effect the cure period, surface finish and strengths. Surface temperature must be at least 3°C above the dew point. Air temperature should be above 5°C and relative humidity at less than 70%,

Maximum application temperature is 40°C. Best conditions are 15°C to 25°C, these conditions should be maintained during all the curing time. Application should be done with plenty of air ventilation.

Features & Benefits

- Low viscosity - penetrates the substrate
- Seals concrete pores - reduces the potential for gassing and pin holing in resin floor finishes
- Improves the adhesion of toppings to the substrate
- Easy to mix and apply

Mixing

Pour part B into part A, stir and completely blend both components using a low-speed mixer using paddle mixer for a minimum of 3 minutes @ 300-400 rpm.

Product Application

Once mixed the Sealer should be applied immediately in a thin continuous film. As a Sealer, 200g per m². Work the primer into the surface using squeegee then roll to avoid pooling. On porous surfaces **EQ-1000-S** will be absorbed very quickly, use enough required amount primer to ensure complete surface sealing (2 coats application is recommended for a self smoothing system).

Suitable Substrates

Thoroughly prepared concrete, polymer modified sand and cement screeds, steel and timber.

Substrate Requirements

Inadequate preparation will lead to loss of adhesion and failure. In coatings, there is a tendency for the finish to mirror imperfections in the substrate. Grinding or light self-contained shot blasting is therefore preferred.

If in doubt, apply a test area first.

Requirements as follows:

- Flat and Smooth.
- Compact and Cohesive (Pull off test must show a minimum resistance of 1.4N/mm²).
- Minimum compressive strength of 25N/mm².
- Even and regular surface.
- Free from cracks and fissures. If any, they must be previously repaired (we recommend using Sindec Epoxy Crack Filler).
- Clean and dry, free of dust, loose particles, oils, organic residues, laitance and contaminants.

Reapplication

A Second coat is possible as soon as the first one is touch dry and within the following 24 hours.



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Technical Information

PRODUCT INFO BEFORE APPLICATION

	Component A	Component B
Chemical Description	Epoxy	Polyamine Mixture
Physical State	Liquid	Liquid
Packaging Kits		
5kg kit - Components A & B 10kg kit - Components A & B		
Non-volatile content (%) approximate	>95%	98%
Colour	Colourless Hazy	Slightly Amber
Mixing Ratio	A = 100 by weight	B = 50 by weight
Mixture Properties	1·10 g/cm ³ at 23°C 1000 mPa.s at 23°C	
Use Before	12 months after manufacturing date	
Pot Life	Temp (°C)	Pot Life (100 g, min)
	20	25 mins
Storage	Keep between 15°C and 30°C. Component A may crystallize if stored for protracted periods under certain conditions. If this occurs, it can be restored to its original conditions by heating it to 70-80°C and stirring it thoroughly.	
	Shelf Life 12 Months	

FINAL PRODUCT INFORMATION

Final State	Solid Membrane, Glossy Material
Colour	Colourless
Hardness (Shore)	80 Shore D hardness after 7 day > 23°C

Disposal of Containers

Empty containers must be handled with the same precautions as if they were full. Treat empty containers as hazardous waste, and transfer them to an authorized waste manager. If the containers still have some material left, do not mix with other product before considering the risk of potential dangerous reactions.

Technical Advice

For further information on this or any other Sindec product, please contact our office.

Health & Safety

Before using this product, please ensure that you have received and read the product Safety Data Sheet. Refer to hazard labelling on the product. Wear gloves and avoid contact with skin and eyes.

Additional Information

The information contained in this document, and all further technical advice given is based on our present knowledge and experience. However, it implies no liability or legal responsibility on our part. In particular, no warranty or guarantee of product performance in the legal sense is intended or implied as the conditions of use and the competence of any labour involved in the application are beyond our control.

Properties and coverage rates shown are for guidance purposes only. The user of the product must determine the product's suitability for the intended purpose. We reserve the right to make any changes according to technological progress or further developments.

Products are guaranteed against defective materials and manufacture and are sold subject to our standard terms and conditions of sale, copies which can be obtained upon request.

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