

Epoxy Quartz Screed

EQ-100

Epoxy Quartz Screed designed to be laid at 6mm to 9mm in Heavy Traffic areas.

Description

EQ-100 is a 3 component, natural or multicoloured decorative resin floor screed. It provides a highly durable, decorative and low maintenance, in-situ flooring system for hand application to a range of difficult substrates, it can be laid by sledge and power floated, it may also be used for coving and upstands.

EQ-100 is a very designer friendly system, available in a range of colours and sizes which can be blended to create unique mixes to suit any design requirement.

Coverage

Coverage varies widely due to the profile of different depths.

2kg = 1mm Thickness / m²

Minimum 4mm Fine Quartz

Minimum 6mm Coarse Quartz

* 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-100 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 40%.

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

Areas of Use

EQ-100 is used to create decorative, slip resistant and long-lasting protection to concrete and many other rigid surfaces.

EQ-100 is ideal for industrial & commercial kitchen, it is also suitable floor finish for all types of commercial, retail & industrial environments where a hard wearing, low maintenance and aesthetically pleasing finish is required.

Features & Benefits

- Range of colours and sizes
- Low maintenance
- Hard wearing and load resistant
- Slip resistant
- Load resistant
- Chemically resistant
- Environmentally friendly
- Suitable for outdoors (subject to special sealers)

Mixing

Prior to mixing stir resin component A with resin component B until thoroughly mixed. Empty components C (selected 2 x 25Kg aggregate) into a forced action mixer and gradually pour the mixed resin into the aggregate. Mix continuously for two minutes until thoroughly wetted through and apply to the floor.

Product Application

EQ-100 should be hand or sledge applied and finished using a steel trowel or power float to spread the material to the required thickness.

Compact and close the surface to a smooth flat finish using a steel trowel or power float. Keep the surface of the trowel clean using Sindec Tool Cleaner as it will quickly become sticky with the binding resin.

EQ-100 can be sealed in certain applications e.g. toilets showers and kitchens etc. Allow the **EQ-100** to cure for 24 hours and apply the sealer spread with a squeegee and back roll using a short pile roller to remove any excess sealing coat. Further sealing coats can be applied 12-24hours later if a complete seal is required.

Construction joints and thresholds should be maintained through the screed using aluminium or stainless-steel trim at the same depth as the screed.

Suitable Substrates

Thoroughly prepared concrete, polymer modified sand and cement screeds.

Substrate Requirements

The substrate should be sound and of good strength, the surface should be dry and free from contamination i.e. dust, oil or other coatings. The substrate should be textured mechanically to achieve a good key.

Surface must be primed using EPR-221 (Epoxy Primer) or DPM Primer and whilst wet, blinded with quartz aggregate (0.4 – 0.8 or similar) to provide a key, allow primer to cure overnight

Oil & Grease

Isolated contamination should be removed using an appropriate degreaser, rinsed thoroughly, and allowed to completely dry. A coat of **OT-235 (Oil Tolerant Primer)** should then be applied (see separate datasheet)

Curing

FOOT TRAFFIC 12 HOURS @ 20 °C
HEAVY LOADS 36 HOURS @ 20 °C
Full Cure 7 Days



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Technical Information

PRODUCT INFO BEFORE APPLICATION

| | Component A | Component B |
|--|-------------|-------------|
|--|-------------|-------------|

Packaging Kits

Resin: A+B = 4kg
Aggregate 25kg Bag

| | | |
|--------------------------------------|------|-----|
| Non-volatile content (%) approximate | >95% | 98% |
|--------------------------------------|------|-----|

| | | |
|--------|------------|------------|
| Colour | Colourless | Colourless |
|--------|------------|------------|

| | | |
|--------------|----------------------|---------------------|
| Mixing Ratio | A = 100 by weight | B = 50 by weight |
|--------------|----------------------|---------------------|

| | | |
|------------|------------------------------------|--|
| Use Before | 12 months after manufacturing date | |
|------------|------------------------------------|--|

| Pot Life | Temp (°C) | Pot Life (100 g, min) |
|----------|-----------|-----------------------|
| | 20 | 20 mins |

| Working Time | Temp (°C) | Pot Life (100 g, min) |
|--------------|-----------|-----------------------|
| | 20 | 30 mins |

Storage Keep between 15°C and 30°C.
Keep all components at room temperature for 24 hours before use.

Shelf Life 12 Months (if unopened)

FINAL PRODUCT INFORMATION

| | |
|-------------|-----------------|
| Final State | Rigid, material |
|-------------|-----------------|

| | |
|-----------------|-------------------|
| Use Temperature | Stable up to 80°C |
|-----------------|-------------------|

| | |
|----------------------|----------------------|
| Compressive Strength | 65 N/mm ² |
|----------------------|----------------------|

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.

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