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## SEIREPOX DECOR

**Coloured epoxy binder to prepare mortars for continuous terrazzo and semi-dry mortars**

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Wide range of colours

Solvent-free (100% solids)

Excellent adhesion to the crushed minerals used in continuous terrazzo

High workability

High chemical and mechanical resistance

For indoor and outdoor use



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**SEIRE PRODUCTS, S.L.**

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# SEIREPOX DECOR

## Coloured epoxy binder to prepare mortars for continuous terrazzo and semi-dry mortars

### Product description:

SEIREPOX DECOR is a fluid and solvent free, two-component, coloured epoxy binder, especially developed to prepare mortars with crushed marble and/or glass to make continuous terrazzo.

Furthermore, semi-dry mortar prepared with siliceous aggregate (SEIRECUARZO 0.8) at a 1:6 ratio, enables the execution of high mechanical performance floors.

### Applications:

#### Continuous terrazzo

- Commercial premises
- Reception offices
- Indoor pedestrian zones
- Leisure centres

#### Semi-dry mortar

- Industrial floors with heavy traffic
- Loading and unloading docks
- Garages
- Manoeuvring areas, ramps
- Hangars
- Storage areas and markets
- Indoor and outdoor use.

### Substrate Preparation:

The substrate must have a tensile strength greater than 1.5 N/mm<sup>2</sup>, and must be dry (<4%) hard, sound, and free of grout, grease, oil, wax, dust and other loose particles such as paint, release agents, traces of lime, mortar, plaster, adhesive residues, etc., that may impair adhesion. Prepare the substrate using specialist machinery - sanding, milling, shot blasting or diamond tools depending on the state of the substrate. Vacuum the substrate.

Properly treat and seal all joints or gaps in the concrete substrate where differential movement is expected (for example expansion joints).

### Primer:

Prior to the application of SEIREPOX DECOR, prime the substrates with SEIREPOX IMPRIMACIÓN or a primer from our range best suited to the substrate and application conditions.

#### Continuous terrazzo:

Ensure that the primer is completely dry at the time of applying the continuous terrazzo mortar prepared with SEIREPOX DECOR.

#### Semi-dry mortar:

When applying semi-dry mortar made with SEIREPOX DECOR, the primer should be still wet. If the primer dries, it will need sanding and re-priming.

### Mixture:

The individual components of SEIREPOX DECOR should be stirred before mixing.

Pour the contents of component B into the container of component A and mix thoroughly the two components with a mixer at low speed for a minimum of 3 minutes.

Part of the mixture can be reintroduced into the container of component B to gather up residues remaining in the container. The mixture which has been reintroduced into the container of component B can be returned to the mixing container and stirred for a further 30 seconds. This mixing process ensures the product's consistency and that any residual resin remaining in the containers reacts, facilitating subsequent management of waste.

#### **It is not advisable to carry out partial mixtures by volume.**

After the two components have been mixed, 1kg of SEIREPOX DECOR will remain workable for 30 minutes at temperatures between 18°C and 20°C.

If Pot-Life is exceeded the mixed product loses its characteristics and should be disposed of.

### Continuous terrazzo:

Incorporate the resin mixture to the crushed minerals, mixing continuously. Once an homogeneous mass is obtained, add the necessary amount of SEIREPOX DECOR FILLER so as to obtain a workable mortar of plastic consistency.

### Semi-dry mortar:

Under continuous mixing, add the resin and hardener mixture to SEIRECUARZO 0.8 and keep mixing until an homogeneous dry mortar is obtained. To perform this operation, use of a suitable mortar mixer is recommended.

### Recommendations:

After mixing the two liquid components of SEIREPOX DECOR, use immediately. Towards the end of the mixture's useful life and due to its high level of reactivity, the mixture will heat up, resulting in a sharp decline in its Pot-Life. The heat increases in proportion to the amount of resin remaining in the container.

In these cases (high temperature) do not touch the drum. In case of fumes, place the lid without closing it and using the handle, place somewhere cool and well ventilated or outdoors to prevent the accumulation of gases.

Note that higher temperatures shorten time of use and lower temperatures lengthen it.

All SEIRE products are manufactured subject to rigorous quality controls and procedures; however, if strict colour consistency is required, you are advised to use products taken from the same batch.

### Limitations:

Do not use SEIREPOX DECOR where ambient and/or substrate temperatures are less than 10°C or less than 3°C above the dew point.

Do not use where ambient and/or substrate temperatures exceed 30°C or where ambient humidity exceeds 85%.

Because of the epoxy nature of the material, applications might yellow when exposed to UV light.

### Method of application:

#### Continuous terrazzo:

Before applying the mortar, install and affix the metal profiles to the substrate separating areas of different colour.

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Spread the applied mortar over the prepared areas and level, ensuring that it slightly exceeds the height of the metal profiles without overflowing. Apply a minimum of 8mm.

When applying contiguous colours, ensure that the first colour is cured for at least 24 hours at 20°C before applying the second one.

To ensure hardness, wait 48-72 hours before starting polishing.

If pores remain after the polishing process, fill them with the same resin using a spatula and, after curing, polish again gently.

Finally apply the recommended protective waxes for decorative floors.

Do not add solvent or thinner at any stage.

### Semi-dry mortar:

Once SEIREPOX DECOR IS mixed with SEIRECUARZO 0.8 at 1:6 ratio, spread without delay over the primed floor, while still wet, using a rake and a straightedge resting on two guides that will allow you to attain the desired thickness, always applying a minimum of 4mm.

Then compact and smooth with a metal trowel. To make this operation easier, clean the trowel at intervals with solvent.

The mortar may be sealed, before 24h of curing, with SEIREPOX DECOR or with an epoxy or polyurethane paint.

Do not add solvent or thinner at any stage.

### Consumption:

#### Continuous terrazzo

10mm profiles require

SEIREPOX DECOR Approx. 4.5kg/m<sup>2</sup>

Crushed aggregate Approx. 22kg/m<sup>2</sup>

SEIREPOX DECOR FILLER Approx. 8kg/m<sup>2</sup>

### Semi-dry mortar:

Mortar 1:6 Approx. 2.0 Kg/m<sup>2</sup>/mm

Sealing coat: Approx. 500 g/m<sup>2</sup>

### Cleaning of tools and equipment:

SEIREPOX DECOR can be cleaned immediately after use with a solvent such as ARDEX RTC. If the product is allowed to cure, it will have to be removed mechanically.

### Residues/spillages:

Any spillage from any of the components must be removed immediately with sand, vermiculite or other inert material and collected in a suitable container for proper handling and treatment.

Residues from spillage and empty containers must be dealt with in accordance with local regulations.

See product safety sheet for further information.

### Storage:

SEIREPOX DECOR can be stored for up to 12 months in its original unopened packaging. The product should be stored in a dry place between 5°C and 30°C. Keep away from frost, direct sunlight and sources of heat.

### Precautions:

Causes irritation to eyes and skin, depending on sensitivity. Hazardous to health if ingested.

May cause burns in case of prolonged exposure. Avoid contact with eyes and skin. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.

Safety goggles and gloves must be worn at all times while the product is being mixed and when applying the product. If applying indoors, ensure that the site is well ventilated. See product safety sheet for further information. After drying, the product is physiologically and ecologically neutral.

See product safety sheet for further information.

### Technical data:

*(based on tests conducted in our laboratory according to current regulations)*

<b>Mixing ratio:</b>	As indicated on packaging
<b>Density:</b>	Approx. 1.14 kg/L
<b>Workability time (20°C):</b>	Approx. 30 minutes
<b>Recoatable (25°C):</b>	After 5h approx.
<b>Complete cure (20°C):</b>	7 days
<b>Flexural strength (UNE EN 196-1):</b>	Mixture for 10mm metal profiles > 19 N/mm <sup>2</sup>
<b>Compressive strength (UNE EN 196-1):</b>	Mixture for 10mm metal profiles Approx. 85 N/mm <sup>2</sup>
<b>Chemical resistance:</b>	After approx. 7 days
<b>Packaging:</b>	Kits of 20 kg
<b>Storage:</b>	Approx. 12 months in a dry place and in original unopened packaging.

*Seire takes responsibility for the quality of its products. The application recommendations given are based on tests and practical experience.*

*We will not be held responsible for the product or its application in case of any dosage or application other than as described and recommended. For any questions about this product, please contact our Technical Department. This data sheet remains valid until a new edition is issued.*

*Seire will not be held responsible for the content of technical data posted on websites other than the official Seire website ([www.seire.net](http://www.seire.net))*

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