

Seire

SEIREPOX TERRAZO

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

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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SEIREPOX TERRAZO

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

Product description:

SEIREPOX TERRAZO is a fluid and solvent free, two-component, coloured epoxy binder, especially developed for preparing 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 should be slightly rough and must be level and primed; ensure that the film is completely free of grease, dust and other loose particles that might impair adhesion.

The substrate must have a tensile strength greater than 1.5 N/mm².

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 TERRAZO, 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 TERRAZO.

Semi-dry mortar:

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

Mixture:

Stir the individual components of SEIREPOX TERRAZO before mixing.

Thoroughly mix the two components with a mixer at low speed for a minimum of 3 minutes.

Part of the mixture can be reintroduced into the hardener container to gather up residues remaining in the container. The mixture which has been reintroduced into

the hardener container 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 residues.

Continuous terrazzo:

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

Semi-dry mortar:

Mixing continuously, add the resin and hardener mixture to 0.8mm SEIRECUARZO aggregate, mixing constantly until a homogeneous dry mortar is obtained. To perform this operation, use of a suitable mortar mixer is recommended. After mixing all components, 1kg of SEIREPOX TERRAZO will remain workable for 30 minutes at a temperature between 18°C and 20°C.

Recommendations:

After mixing the two liquid components of SEIREPOX TERRAZO, 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.

Limitations:

Do not use SEIREPOX TERRAZO 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%.

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

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Method of application:

Continuous terrazzo:

Before applying the mortar, install and affix the metal profiles to the substrate separating the different coloured zones.

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 dry to touch (at least 24 hours at 20°C) before applying the second colour.

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 then lightly polish.

Finally apply the recommended protective waxes for decorative pavements.

Do not add solvent or thinner at any stage.

Semi-dry mortar:

Once mixed with 0.8mm quartz sand at a 1:6 ratio, spread SEIREPOX TERRAZO 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 drying, with SEIREPOX TERRAZO or with an epoxy or polyurethane paint.

Do not add solvent or thinner at any stage.

Consumption:

Continuous terrazzo

10mm thick plates require approximately for each m²:

4.5kg of Resin is required

22kg of ground minerals

8kg of SEIREPOX TERRAZO FILLER

Semi-dry mortar:

The approximate consumption of SEIREPOX TERRAZO (with aggregate at a 1:6 ratio) is 2 kg/m² per millimetre of thickness.

Consumption SEIREPOX TERRAZO in the sealant layer is approx 0.5 kg/m²

Tool cleaning:

SEIREPOX TERRAZO can be cleaned from tools and equipment immediately after use using a solvent such as ARDEX RTC. If the product is allowed to harden, it will have to be removed mechanically.

Residues/spillages:

Any spillage from any of the products 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 TERRAZO 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.

Technical data:

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

Mixing ratio:	As indicated on packaging
Density:	Approx. 1.15kg/l
Workability time (20°C):	Approx. 30 minutes
Dry to touch (25°C):	After 4h approx.
Complete cure (20°C):	7 days
Flexural strength (UNE EN 196-1):	Mix for 10mm plates >19N/mm ²
Compressive strength (UNE EN 196-1):	Mix for 10mm plates Approx. 85N/mm ²
Packaging:	Kits of 20 kg net (A+B)
Storage:	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.

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