

# Seire

---

## SEIREPOX MULTICAPA

### Coloured epoxy binder

---

Solvent-free

100% solids

Easy to apply

For smooth or anti-slip finishes

Can be mixed and/or dusted with sand

High chemical and mechanical resistance

For indoor and outdoor use



**SEIRE PRODUCTS, S.L.**

P.I. Albolleque, Sector III  
C/Los Muchos, 34-36  
19160 - Chiloeches (Guadalajara)  
T. 34 949 366 953  
[seire@seire.net](mailto:seire@seire.net)

# SEIREPOX MULTICAPA

## Coloured epoxy binder

---

### Product description:

SEIREPOX MULTICAPA is a two-component, fluid, solvent-free epoxy binder which, applied using multilayer technique in several coats in combination with siliceous aggregate, enables execution of easy to clean, easy maintenance, smooth or antislip flooring along with high mechanical and chemical resistance..

After curing, SEIREPOX MULTICAPA is resistant to the passage of water, chemicals, frost and weather.

### Applications:

- Applicable in warehouses, parking garages, hangars, industrial floors, workshops, production and processing areas, kitchens and on any flooring where a durable and aesthetic finish is required.
- For high build systems
- Different antislip grades attainable
- Indoor and outdoor use

### Substrate Preparation:

The substrate must have a tensile strength higher than 1.5 N/mm<sup>2</sup>, must be dry (residual humidity less than 4%), hard, solid and free of laitance, grease, oils, waxes, dust or other loose particles such as paint, release agents, limescale, mortar, plaster, adhesive residues, etc., which may impair adhesion to the substrate.

Substrate preparation must be carried with specialist machinery; sanding, milling or diamond tools depending on the state of the substrate. Subsequently, a vacuum will be carried out.

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

To prepare metal substrates, sandblasting to Sa 2½ grade is recommended. After sandblasting the surface must be cleaned using a proper solvent. Ensure solvent is completely dried off before applying primer coat.

### Primer:

Prior to applying SEIREPOX MULTICAPA, prime the substrate using the primer in our portfolio best fitting substrate and application conditions.

The primer can be mixed 1:0.4 with SEIRECUARZO 0.4 applied with a flat trowel and then flattened out with a roller. This primer coat can be sprinkled to saturation with SEIRECUARZO 0.6 while still wet.

Before applying the next layer, sweep the sand-covered surface and vacuum to remove unbound aggregate.

### Mixture:

Stir the individual components of SEIREPOX MULTICAPA before mixing.

Pour the content of component B into the container of component A and mix the two components thoroughly with a stirrer 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 consistency of the product and any excess resin remains in one of the containers react, facilitating subsequent waste management.

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

After the two components are mixed, 1kg of SEIREPOX MULTICAPA will remain workable for 30 minutes at a temperature between 18°C and 20°C.

If the pot life is exceeded the mixed product loses its characteristics and should be discarded.

### Recommendations:

After mixing the two components of SEIREPOX MULTICAPA, 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 MULTICAPA 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:

Once mixed CA+CB, add SEIRECUARZO 0.4 at 1:0.4 ratio and spread the blend across the primed floor without delay using a flat trowel. While still wet, sprinkle with quartz aggregate to saturation. The size of the sand depends on the required roughness, being SEIRECUARZO 0.6 the most usual.

On the following day, sweep the sand-covered surface and vacuum to remove unbound aggregate.

This operation can be repeated as required until the desired thickness and antislip grade are achieved.

The finishing coat of SEIREPOX MULTICAPA, applied by rubber squeegee, seals the surface, and encapsulates the aggregate. To remove blemishes complete the application with a medium nap roller.

When necessary, application may be by Airless at 200 bar pressure with a 417 nozzle and a 50 mesh filter.

Do not add solvent or thinner at any stage.

# SEIREPOX MULTICAPA

## Coloured epoxy binder

### Consumption:

As mortar 1:0.4 0.5-0.6 kg/m<sup>2</sup> per layer  
As sealing layer 400-500 g/m<sup>2</sup>

### Cleaning of tools and equipment:

SEIREPOX MULTICAPA can be cleaned immediately after use with 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 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 MULTICAPA 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)*

<b>Mixing ratio:</b>	As indicated on packaging
<b>Density:</b>	Approx. 1.4kg/L
<b>Consumption:</b>	See specific paragraph on TDS
<b>Workability time (20°C):</b>	Approx. 30 minutes.
<b>Recoatable:</b>	After approx. 16 hours
<b>Flexural strength (UNE EN 196-1):</b>	Mortar 1:1 with sand 0,4mm >16N/mm <sup>2</sup>
<b>Compressive strength (UNE EN 196-1):</b>	Mortar 1:1 with sand 0,4mm Approx. 35N/mm <sup>2</sup>
<b>Chemical resistance:</b>	After approx. 7 days
<b>Packaging:</b>	Kit of 25kg
<b>Storage:</b>	Approx. 12 months in a dry place and in original unopened packaging.



SEIRE PRODUCTS SL.  
C/ Los Muchos 34-36  
P.I. Albolleque Sector III  
19160 Chiloeches- Guadalajara  
10

8001480  
EN 13813  
SEIREPOX MULTICAPA  
Synthetic flooring resin  
EN 13813:SR-IR7-B2,0-AR0,5

Emission of corrosive substances:	SR
Impact resistance:	IR7
Abrasion resistance BCA:	AR 0,5
Tensile adhesion strength:	B 2,0
Reaction to fire:	Bfl-s1

*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))*

Edition: March 2020



ARDEX GROUP