

Seire

SEIRECEM NIVELACION BE

Self-levelling cement mortar for large areas

Flattening and levelling of surfaces

Pumpable

Rapid entry into us

Can be walked on in 2-3 hours

Good mechanical properties

Applicable in thicknesses of 1 to 15 mm

No cracking

Indoor use



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SEIRECEM NIVELACION BE

Self-levelling cement mortar for large areas

Product description:

SEIRECEM NIVELACIÓN BE is a mortar compound of special cements, plasticizers and selected fillers, which, once mixed with water, provides excellent levelling properties and high surface strength. Self-levelling, applicable by pumping. Can be walked on after 2-3 hours.

The mortar dries and hardens by hydration, without shrinkage, avoiding the appearance of cracks even when applied in thick layers.

Applicable in thicknesses of 1 to 15 mm.

Applications:

- Renovation and levelling of concrete flooring, cement screeds, anhydrite and ceramic or natural stone coverings.
- Creation of smooth surfaces for laying ceramic tiles, natural stone, technical flooring, light-weight coating.... in residential and commercial buildings subject to light traffic.
- Indoor use

Substrate Preparation:

The substrate must be dry, hard, solid and free of laitance, grease, oils, waxes or dust. A moderately rough substrate will facilitate penetration and adhesion.

If necessary, depending on amount of dirt, the substrate should be prepared by mechanical means.

To prevent air bubbles and improve adhesion, the substrate should be double primed with an acrylic primer from the SEIRE range. On highly absorbent substrates, two coats of primer are recommended.

On dense substrates or substrates with poor porosity, prime using SEIREPOX IMPRIMACIÓN sand blinded to saturation.

The substrate must be kept dry at all times.

If in doubt, contact the SEIRE Technical Department or perform a test.

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

Mixture:

To prepare the mortar, add the powder to a container of clean water, slowly incorporating it with the aid of an electric stirrer, stirring vigorously until a homogeneous and fluid lump-free mortar is obtained.

A mixture of 25 kg of SEIRECEM NIVELACIÓN BE powder requires approximately 5 ¾ litres of water.

The mortar remains workable for approx. 1/2 hour at temperatures of 18°C - 20°C.

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

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

Method of application:

Using SEIRECEM NIVELACIÓN BE, irregularities can be filled easily and its fluidity means that, in general, almost no further sanding treatment is necessary.

To level and apply thin layers, spread the mortar with a trowel or pin rake; it evens and smooths itself.

On non-porous substrates, apply at least one 1.5 mm layer.

For large areas, apply using cylindrical or worm pumps capable of outputting mortar at a rate of 20-40 litres per minute.

SEIRECEM NIVELACIÓN BE mortar can be applied in a single pass, in layers 5 - 15 mm thick.

For layers thicker than 15 mm. application can be extended as follows:

Material/ Washed	Granulometry	Mixture ratio	
		Material	Sand
Sand	0-4 mm.	1 vol.	0.3 vol.

Recommendations:

Protect the surface from sunlight and drafts to prevent over-rapid drying.

Perform subsequent applications on SEIRECEM NIVELACIÓN BE when dry and with a new primer coat.

Limitations:

Do not use SEIRECEM NIVELACIÓN BE where ambient and/or substrate temperatures are less than 5°C or above 30°C.

Indoor use only.

Not suitable for outdoor applications or substrates constantly subjected to constant moisture.

Cleaning of tools and equipment:

SEIRECEM NIVELACIÓN BE can be cleaned immediately after use using water. If the product is allowed to harden, it will have to be removed mechanically.

Storage:

SEIRECEM NIVELACIÓN B 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 icy conditions, direct sunlight and heat sources.

Precautions:

Contains cement. Alkaline reactive. Protect eyes and skin.

In case of contact with eyes, rinse thoroughly with water and seek medical attention. See product safety sheet for further information. Once dry the product is physiologically and environmentally harmless.

GISCODE ZP 1 = Cement-based product, low in chromates.

Technical data

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

Mixing ratio:	5 ¾ - 6 litres of water: 25 kg. of powder representing approx. 1 vol. water: 3 1/2 vol. powder.
Density:	Aprox. 1.2 kg/l.
Mortar density when wet:	Aprox. 1.9 kg/l.
Yield:	Aprox. 1.6 kg powder per m ² and mm.
Open time (20°C):	Aprox. 30mins.
Walkability (20°C):	Aprox. 3hours
Compression strength:	After 28 days > 35 N / mm ²
Flexural strength:	After 28 days > 7 N / mm ²
Coatable:	Up to 10mm: 36 hours Up to 30 mm: 3 days Up 50mm: 7 days
Suitable for furniture with wheels:	Yes
Suitable for radiant heating:	Yes
Packaging:	25 kg bags.
Storage:	Aprox. 12 months in a dry place and in original unopened packaging.

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SEIRE PRODUCTS SL. C/ Los Muchos P.I. Albolleque Sector III 19160 Chiloeches- Guadalajara 15	
24430 EN 13813 SEIRECEM NIVELACION BE Self-levelling mortar EN 13813:CT C35-F7	
Compressive strength:	C35
Flexural strength:	F7
Reaction to fire:	E

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