

NATURAL CEMENTO G40

Smoothing/finishing for floors and walls.

Product's Characteristics and Possible Uses

Grey powder based on aggregates, resin and cement granules, anti-cracking, ideal for interiors and exteriors; NATURAL CEMENTO G40 is ideal for squaring stairs, filling cracks up to 2 cm thick, smoothing for compensation and for creating floors and walls with a natural concrete effect.

NATURAL CEMENTO G40 can be used for the construction of floors, walls, ceilings, doors, furnishing accessories with a particular natural concrete effect.

This product is also used as a filler for holes, cracks or breaks on internal vertical and horizontal surfaces and can also be used to compensate for unevenness on horizontal surfaces, for squaring stairs or as a preparation smoothing compound in particular situations.

Support's Preparation

The supports must have a solid base capable of supporting weights, dry and must be free from dust and release materials; insufficiently compact surfaces must be removed mechanically using sanders, cutters or similar, while smooth concrete surfaces must be slightly roughened. Pre-apply specific anchoring primer and then proceed with the application of the product, first in carefully leveled thin layers and then in the desired thicknesses.

Product's Preparation

Use as FINISHING

Pour into a clean bin the necessary quantity of water, following the indications written in this technical data sheet (e.g. 3,5 litres of water each 10 Kg of NATURAL CEMENTO G40). Add to water little by little the special powder made of special inert and resin particles, and mix it carefully using a low speed mechanical stirrer until the achievement of an homogeneous mixture. Let it rest 1 or 2 minutes and mix it again on the same way.

Don't add water or powder after the mixing or during the application.

The mixture has a pot life of about 20-25 minutes according to the temperature. Anyway, in case of mixture hardening, it's possible to mix it again strongly for about 20-30 seconds to regenerate and soften the mixture and make it reusable for further 5 minutes.

Use as SMOOTHING (e.g. stairs squaring)

Pour into a clean bin the necessary quantity of water, following the indications written in this technical data sheet (e.g. 2,4-2,8 litres of water each 10 Kg of NATURAL CEMENTO G40). Add to water little by little the special powder made of special inert and resin particles, and mix it carefully using a low speed mechanical stirrer until the achievement of an homogeneous mixture. Let it rest 1 or 2 minutes and mix it again on the same way.

Don't add water or powder after the mixing or during the application.

The mixture has a pot life of about 20-25 minutes according to the temperature. Anyway, in case of mixture hardening, it's possible to mix it again strongly for about 20-30 seconds to regenerate and soften the mixture and make it reusable for further 5 minutes.

Application Method

Use as FINISHING

At primer QUIK 3's complete drying, apply a first abundant coat of NATURAL CEMENTO G40 with a stainless steel trowel; at complete drying, after about 8-24 hours depending on the environmental conditions and the temperature of the substrate, sand the surface with 100 grit sandpaper, remove the dust and apply a coat by roller of PRIMER 3PL TRASPARENTE diluted at about 30% with water to impregnate the surface; at complete drying, after about 1 hour depending on the environmental conditions and the temperature of the substrate, apply a second coat of NATURAL CEMENTO G40 with a trowel.

At complete drying, after about 8-24 hours depending on the environmental conditions and the temperature of the substrate, check that it is completely dry, sand the surface with 100 grit sandpaper, remove the dust and apply a coat by sponge of PRIMER 3PL TRASPARENTE diluted approximately 20% with water to soak the substrate; at complete drying, apply 2 coats by roller of the TOP SKIN two-component transparent water-based topcoat on the version LUCIDO (shine), SATINATO (glossy) or OPACO (matt).

SHOWER STALLS PROTECTION

When working inside shower stalls or on shower trays, for adequate protection after sanding the 2nd coat of NATURAL CEMENTO G40, apply 2 coats by sponge of PRIMER 3PL TRASPARENTE diluted approximately 20% with water, paying attention to completely impregnate the support; at complete drying, apply 2 coats of the two-component TOP SKIN two-component transparent water-based topcoat on the version LUCIDO (shine), SATINATO (glossy) or OPACO (matt): apply the 1st coat with a sponge (to saturate the surface) and the 2nd with a roller.

COLORTION OF NATURAL CEMENTO G40 (TERRE NATURALI)

It is possible to use the product NATURAL CEMENTO G40 as it is (cement gray color) or, to create different shades, it can be added with TERRE NATURALI (available in 20 different pigmentations) before mixing with water. Add the correct quantity of TERRA NATURALE in the chosen color to a can of NATURAL CEMENTO G40 (e.g. 200 g of TERRA NATURALE per 10 kg of NATURAL CEMENTO G40) and mix dry manually with the help of a spatula to obtain a homogeneous mixture and disperse completely the TERRA NATURALE.

Technical Features

ELEKTA is a division of:

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TECHNICAL DATA	UNIT of MEASUREMENT	VALUE
Specific weight at 20°C	Kg/L	About 1,3
Specific weight of fresh product	Kg/L	About 1,8
Pot life at 20°C	minutes	About 20 - 25
Walkability at 20 °C	hours	After about 2 – 4 hours
Rough covering (USE AS SMOOTHING)	-	About 1,4 Kg of powder each mm thickness layer
Rough covering (USE AS FINISHING)	-	About 0,8 - 1,0 Kg each hand
Ph value (fresh mixture)	-	About 12
Shelf life	-	8 months, if stored in dry places and in its own original sacks
Layers maturation: Damp insensible layers Floors and walls after drying Up to about 5 mm Up to about 10 mm Up to about 20 mm Up to about 30 mm	-	After 1 day 2 days 5 days 7 days 10 days
Compression strength: After 1 day After 7 days After 28 days	N/mm ²	9 13 20
Flexion strength: After 1 day After 7 days After 28 days	N/mm ²	2,0 3,0 6,0
Tearing strength	N/mm ²	> 1,6

Reaction Times (T=20°C - U.R. 50%)

- *Pot-Life*: 20-25 min
- *Touch dry*: 1-2 h (according to thickness)
- *Over-applicable*: about 4-6 h (according to thickness)

Packaging

- 5 Kg
- 10 Kg
- 20 Kg

Before using ELEKTA RESINE's products it's advisable to participate to the CORSO DEL RESINATORE or to contact the ELEKTA LAB assistance service.

For further information contact the technical office Gruppo GANI at the number +39.031.905163.

The information contained in this technical card are based on the common experience in the sector, without specific implicit or explicit guarantee.

The application and the use of our products take place outside our control possibilities and so those fall down under the exclusive responsibility of the user.

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