



LITOLIV S40 ECO

FAST HARDENING AND DRYING CEMENTITIOUS SELF-LEVELLER FOR THICKNESSES FROM 3 TO 40 mm FIBRE-REINFORCED. FOR INTERIORS AND EXTERIORS.



DESCRIPTION

Ready-mixed cementitious powder self-leveller consisting of special hydraulic binders, inert fillers of selected particle size, organic additives and synthetic fibres. C20 F5 classified according to EN 13813. The product has the following characteristics:

- Excellent self-levelling capacity.
- Fast hardening and drying time.
- High mechanical flexural and compressive strength

- High bond strength on conventional cementitious substrates
- No shrinkage
- Excellent abrasion resistance

FIELDS OF APPLICATION

Suitable for levelling horizontal surfaces in interiors and exteriors with a thickness of between 3 and 40 mm in a single layer.

PACKAGING

25 kg.bags – Standard pallet 1.500 kg.

SUBSTRATES	MINIMUM CURING TIME	MAXIMUM RESIDUAL MOISTURE	GENERAL CONDITION
Cementitious screeds	28 days	3%	Clean and dry Solid and compact Free from cracks Sufficiently cured Free from rising damp
Heated cementitious screeds	28 days	3%	
LITOCER screeds	24 hours	3%	
Concrete	6 months	-	
Massetti in anidrite	-	< 0,5%	
Existing ceramic tile or agglomerate flooring (interior use only)	-	-	

SUBSTRATE PREPARATION

Porous cementitious substrates with powdery surfaces in interiors must first be treated with PRIMER C consolidating primer.

Interior concrete substrates must be treated with PRIMER C to improve adhesion of the self-leveller.

Old ceramic tile or agglomerate floors must be degreased using a 10% caustic soda solution, then rinsed, dried and treated with LITOFIX sprinkled with sand until no longer tacky (see LITOFIX technical sheet).

MIXING RATIO

LITOLIV S40 ECO - 25 kg (1 bag) WATER: 6 L (24%)

MIX PREPARATION

Pour the correct quantity of water into a clean container and slowly add the powder. Mix with an electric drill equipped with mixing

paddle until a uniform, lump-free mix is obtained. Leave the mix to sit for at least 5 minutes then re-mix briefly for a few seconds. Pot life is about 45 minutes at a temperature of +23°C.

APPLICATION

Pour the mix directly onto the substrate. Spread the product using a smooth steel trowel or a float to obtain the required thickness. The product can also be applied using a plaster pump. Ceramic tiles, parquet, resilient or textile flooring can be installed after about 12-24 hours depending on the applied thickness and ambient temperature. When laying parquet flooring, apply a minimum thickness of at least 3 mm and check the moisture content using a carbide hygrometer before gluing (maximum moisture content = 2%).

RECOMMENDED ADHESIVES

Ceramic tiles, stoneware, clinker, terracotta, etc.	C2-C2F class cementitious adhesives
Natural or reconstituted stone	Litostone K99-Litoflott K88-Litoelastic
Parquet	Litopar P2

CAUTIONS

- Do not add lime or cement to the product.
- Do not apply the product to substrates that show signs of rising damp.
- Prior treatment of the substrates with PRIMER C improves adhesion of LITOLIV S40 ECO and assures uniform absorption by the substrate, thereby facilitating product application.
- Be sure to use the correct amount of water in the mix. Too much water in the mix can result in long hardening times, risk of cracks and flaking, and powdery, crumbly surfaces.
- Apply the product at temperatures of between +5°C and +35°C.
- Pot life is about 45 minutes at a temperature of +23°C. Be sure to mix only the quantity of product that you can actually use within this period of time.
- When laying parquet, apply a thickness of at least 3 mm.
- Do not use for applications not stated on this technical sheet.

APPLICATION DATA

Mixing ratios	Water = 24% (6 l per 1 25 kg bag)
Maturing time	5 minutes
Mix consistency	Fluid
Pot life	About 45 minutes
Application temperature	From +5°C to +35°C
Maximum applicable thickness	40 mm
Consumption	1,6 kg/m ² per mm thickness
Walk on time	4-5 hours
Ready for gluing	Ceramic tile and natural stone: 12 hours Resilient floor coverings and parquet floors: 24 hours

IDENTIFICATION DATA

Appearance	Powder
Colour	Pinkish grey
Customs code	3824 5090
Shelf life	12 months in original packaging in dry place

PERFORMANCE

According to EN 13813	C20 F5
Mechanical compressive strength (N/mm ²) after 28 days	5 N/mm ²
Mechanical flexural strength (N/mm ²) after 28 days	20 N/mm ²
Adhesion strength to concrete after 28 days	1 N/mm ²

SAFETY INFORMATION

Consult the Material Safety Data Sheet, available on request.

PRODUCT FOR PROFESSIONAL USE.

Although the information provided on this technical sheet is accurate to the best of our knowledge and experience, it is intended purely as a guideline.
The user must carry out preliminary practical tests for each specific job and is solely responsible for the final result.

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