



LITOLIV EXTRA 15

FAST DRYING AND FAST HARDENING SELF-LEVELING CEMENT-BASED PRODUCT WITH VERY LOW EMISSIONS OF VOLATILE ORGANIC COMPOUNDS (VOCs) FOR LEVELING FOUNDATIONS FROM 1 TO 15 mm. INDOOR USE.



DESCRIPTION

Self leveling cement-based product, pre-mixed, in grey powder form, consisting of hydraulic binders for fast setting and fast hydration, inert material with fine and selected granulometry, organic additives. C30 F7 classified according to EN 13813.

The product includes the following features:

- Mixed with water it will provide an extremely smooth paste with excellent self leveling properties and easy application
- The material will develop high resistance to flexing and compression a few hours after application
- High adhesive property when used upon traditional concrete surfaces
- No shrinkage
- High abrasion resistance

Thanks to these features, this product is ideal for obtaining extremely smooth finishes with no bumps or ripples. It is possible to apply thin coverings, PVC or linoleum directly on to the finished surface.

Litoliv Extra 15 is classified EMICODE EC1 thanks to its very low emissions of volatile organic compounds (VOCs); the product is not harmful to the person making the application or to the occupiers of the environment in which it is applied.

FIELDS OF APPLICATION

Suitable for leveling and stabilising vertical and horizontal interior surfaces with variable thickness from 1 to 15 mm in one application.

PACKAGING

25 kg bags - 1500 kg standard pallet

SUITABLE SURFACE	MINIMUM CURING TIMES	MAXIMUM RESIDUAL HUMIDITY	GENERAL CONDITIONS
Concrete screeds	28 days	3%	Clean and dry Solid and compact No cracks or fractures Sufficiently cured Free from rising damp .
Heated concrete screeds	28 days	3%	
LITOCHEM screeds	24 hours	3%	
Concrete	6 months		
Anhydrite screeds		< 0,5%	
Existing floor surfaces in ceramic or marble			

SURFACE PREPARATION

Porous or dusty cement screeds must be treated with PRIMER C
Concrete surfaces must be pre-treated with PRIMER C in order to improve the adhesive qualities of the levelling product

Anhydrite screeds must be sanded, dusted and isolated with a coat of PRIMER C

Old floor surfaces made of ceramic tiles or marble must be degreased using a solution of 10% caustic soda, then rinsed, dried and treated with LITOFIX primer

MIXING RATIO

LITOLIV EXTRA15 - 25 kg (1 bag)

WATER: 5 litres (20%) thixotropic mix - 6 litres (24%) workable mix

MIX PREPARATION

Pour the right quantity of water into a clean container; slowly add

the powder, using an electric drill with a mixing auger. Mix until you obtain a lump-free workable material.

Leave to rest for approx 3 minutes and then mix again for a few seconds. The life span of the mix is approx 30 minutes at a temperature of +23°C; therefore we recommend only mixing the quantity that you can use within this time frame.

APPLICATION

The paste is poured directly onto the surface. Apply according to the required thickness, using either a smooth steel spatula or a squeegee. To apply a thinner layer it is advisable to spread the paste using an adhesive 6 mm toothed spatula, followed by a roller to remove any trapped air.

The product can also be applied using a plaster and mortar pump. The prior application of PRIMER C ensures high adhesive qualities

and a smooth workable paste as the surface itself is less porous. About 12 hours after the material has been applied, ceramic tiles, natural stone or resilient textile material can be fitted regardless of the thickness of LITOLIV EXTRA 15. For parquet flooring, please wait 24 hours. These waiting times are subject to temperature and humidity. For parquet flooring, a minimum layer of 3 mm of LITOVIL EXTRA15 must be applied and the residual humidity should be a maximum of 2% - measured with a moisture tester.

WARNINGS

- Do not add lime or cement to the product
- Do not apply the product to surfaces that show signs of rising damp
- Do not use this product for levelling external surfaces
- In order to achieve maximum adhesion when levelling absorbent surfaces, use PRIMER C prior to application
- Use correct quantity of water for the mix. Excessive quantities of

water may increase the hardening times of the product or may cause cracks, deformations, or dusty and inconsistent surfaces

- The life span of the mix is approx 25 minutes at a temperature of +23°C. we recommend only mixing the quantity that you can use within this time frame.
- In hot climates, the material must be stored in a cool dry place away from direct sunlight
- Apply the product in temperatures between +5°C and +35°C
- Apply the product in a draft free area
- When using the material on parquet flooring, a minimum application of 3mm is required
- Do not use LITOPLAN RAPID for any applications other than those stated on this technical sheet.

SAFETY INFORMATION

Consult the Material Safety Data Sheet, available on request.

PRODUCT FOR PROFESSIONAL USE.

APPLICATION DATA

Mixing ration	Water = 26 - 28% (6,5 - 7 litres per 25 kg bag)
Mix curing times	3 minutes
Mix consistency	Fluid
Mix life	Approx 30 minuti at a temperature of +23°C
Application temperatures	From +5°C to +35°C
Applicable thickness per coat	From 1 a 15 mm per coat
Consumption	1,7 kg/m ² for each mm of thickness
Time to withstand walking	Approx 3 hours at a temperature of +23°C
Waiting time before floor application	Ceramic tiles, natural stone or resilient textile material: 12 hours Parquet flooring: 24 hours

IDENTIFICATION DATA

Appearance	Powder
Colour	Grey
Customs Code	3824 50 90
Shelf life	12 months in original packaging in a cool dry place

PERFORMANCE

classified according to EN 13813	C30 F7
Compression resistance (N/mm ²)	
- after 24 hours	20
- after 28 days	30
Flex resistance (N/mm ²)	
- after 24 hours	4,5
- after 28 days	8,2
Adhesion on concrete after 28 days(N/mm ²)	2,4

Although the information provided on this technical sheet represents 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..

Sheet no. 105

Revision no. 2

Date: September 2014

LITOKOL S.p.A.

Via G. Falcone, 13/1 42048 Rubiera (RE) Italy
Tel. +39 0522 622811 Fax +39 0522 620150
www.litokol.it email: info@litokol.it

**COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =**