



LINEA 811 SL

Fast-setting self-levelling floor compound, levelling from 0 to 20 mm, CT/C30/F7 according to EN 13813

- ▶ With a maximum layer thickness ready for foot traffic after 4 hours
- ▶ Self-levelling
- ▶ Non-shrinking
- ▶ Suitable for underfloor heating
- ▶ Indoor use
- ▶ High strengths
- ▶ Does not contain casein
- ▶ Fast-setting



PRODUCT DESCRIPTION **Fast-setting, polymer-enriched, cement-based floor levelling compound for indoor use.**

FIELD OF USE For thin-layer levelling of all types of concrete foundations and cement screeds prior to laying the flooring (parquet, wood flooring, ceramic tiles, carpeted floor and all types of PVC floor coverings), layer thickness from 0 to 20 mm, for indoor use. In case of installation of floor compound in wet rooms (bathroom, laundry, etc...), it is obligatory to apply cement based waterproof membrane on floor compound, such as HIDROSTOP ELASTIK, HIDROSTOP FLEX, etc...

LINEA 811 SL covers all unevenness on the surface. LINEA 811 SL can be used in all types of objects (housing construction, schools, hospitals, halls, workshops...) because it is free of health damaging additives.

Regarding the high hardness properties of LINEA 811 SL it is suitable as levelling compound prior to the application of epoxy systems.

- PRODUCT PROPERTIES**
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PRODUCT DATA

BASIC INFORMATION

Appearance Grey powder

Packing 25 kg in bag (plastificated) / 1200 kg (48 x 25 kg) on pallet

Storage and expiration date 12 months from date of production if stored properly in undamaged original sealed packaging in dry and cool conditions. Date of production is printed on packaging.

TECHNICAL DATA

Type of product Cement-based polymer enriched compound

Density

- bulk density: 1,22 kg/l
- fresh mortar density: 2,0 kg/l
- hardened mortar density: 1,85 kg/l

Grading D_{max} : 0,4 mm

pH 11-13,5 (at 20°C)

Flexural strength after 28 days ≥ 7 N/mm² (F7)

Compressive strength after 28 days ≥ 30 N/mm² (C30)

Shrinkage after 28 days 0,8 mm/m

Layer Thickness from 0 to 20 mm

Fire-test classification A1_{fl}

INSTRUCTIONS FOR USE

CONSUMPTION 1,5 kg/m² for each mm of thickness

BASE Surface to which LINEA 811 SL is applied must be of a sufficient solidity, free of dirt, loose particles and water-repellent substances, panel oils and other coatings which prevent adherence. LINEA 811 SL is applied on completely dry grounding.

BASE PREPARATION The levelling compound is applied after complete drying of the bonding primer - we recommend the use of KEMAGRUND A, which must be diluted with water in a ratio of 1 : 1 to 1 : 2 (instead of KEMAGRUND A, KEMACRYL can also be used, which must be diluted with water in a ratio of 1 : 1 to 1 : 2).
In case, that the thickness of levelling compound is more than 10 mm, we recommend the use of KEMAPOX LINK as a bonding primer, diluted with water in ratio 1 : 1, and when the primer is still wet a total grid with quartz sand – EPOXY SAND ES 30 must be made. Before the application of levelling compound, the excess sand should be vacuum cleaned.

MIX RATIO Approx.: 6,5 l of water per 25 kg of dry mixture

MIX TIME Add dry mixture to clean water while constantly mixing until the mixture is completely homogeneous. After the compound swells (app. 2 min.) mix again.

MIX TOOL Mix compound in a clean container using suitable electrical mixer.

INSTALLATION The substrate must be primed with a suitable bonding primer. The freshly mixed mass is poured in one layer (minimum 1 to maximum 20 mm) and spread evenly with a smooth trowel or a pin leveller. If an additional levelling layer needs to be applied, it is applied when the first layer has already set. The substrate must again be pre-primed, using a suitable bonding primer. Dilatations in the base must be transferred to the final surface. When installing above 5 mm, the mass must be separated from the wall using MUREXIN RS 50 foam edge tape.

TOOL Steel trowel 30 - 40 cm length.

CLEANING OF TOOL Clean the tools immediately after use. Dry compound can be removed only mechanically.

USAGE TIME 15-30 minutes

COAGULATION Ready for foot traffic in 4 hours.
Linings should be laid after 48 hours (thickness of 10 mm).

LIMITATIONS

BASE TEMPERATURE +5°C min./ +30°C max.

AIR TEMPERATURE +5°C min./ +30°C max.

MATERIAL TEMPERATURE +5°C min./ +30°C max.

- WARNINGS**
- Times specified in the technical sheet were measured at the temperature of 23°C and relative air humidity of 50%. With higher temperatures prescribed time can be shortened while prolonged at lower temperatures.
 - Use only recommended amount of water. Use only mixture from undamaged packaging. Do not overdo the layer thickness.
 - Protect freshly installed material from freezing, rain and other weather conditions. The material should not be used at (surface, air, material) temperatures lower than 5°C.
 - The compound should be protected against rapid drying for at least 3 days after the application in order to provide complete hydration of cement and prevent formation of cracks.
 - The compound should be applied only to healthy and prepared surface.
 - Optimum conditions are 15 - 25°C and relative humidity below 65 %. Low temperatures, high humidity and greater thickness will delay, whilst high temperatures and low humidity will accelerate the setting, drying and readiness for covering.
 - In summer, store in cool conditions and use cold water.
 - Do not use in permanent wet areas.

Recommendation: Remains of the unhardened/unset material must be disposed in accordance to the local legislation.

Data source: All technical data in this technical sheet was obtained by laboratory research. Actual data may differ due to different working conditions.

Local restrictions: Due to specific local regulations the installed product can differ from country to country. For exact instructions a country specific technical sheet should be obtained.

PROOFS

NORMS/ STANDARDS In accordance with European standards EN 13813:2003



SAFETY DATA

Irritating. Contains cement. Irritating to eyes, skin and respiratory tract. Contact with skin may cause hypersensitivity. In case of eye contact wash thoroughly with water at once and consult a doctor. In case of skin contact flood with a lot of water. Keep away from the reach of children. More data on storage, handling and use of mixture can be found in the safety sheet which contains safety, toxicological and ecological data. Warnings on the original packaging should also be considered.

LEGAL BASE

Information and recommendations related to use of KEMA products are presented in good faith and believed to be correct. The later is based on our knowledge and experience with the products. Information is supplied upon the condition that products are stored and used according to the recommendations and the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to Information or the product to which information refers. In no event will KEMA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the product to which Information refers. Nothing contained herein is to be construed as a recommendation to the use any product, process, equipment or formulation in conflict with any patent, and KEMA makes no representation or warranty, expressed or implied that the use thereof will not infringe any patent. All orders fall under current sales and supply conditions. The user should always check the latest technical sheet available upon demand.