TERAFLEX® LEVEL PRO

quick bonding self-leveling floor screed with long lasting durability for extremely smooth and homogeneous leveling of floors before laying ceramic tiles, laminate flooring, linoleum and others.

Scope of use

TERAFLEX® LEVEL PRO is a high-tech quick bonding cement-polymer based self-leveling floor screed. It is designed for precise and long lasting leveling and smoothing of floors in indoor premises. It produces extremely smooth, homogeneous and self-leveling base before laying of ceramic tiles, laminate flooring, soft floor coverings, moquette, linoleum, PVC and other kinds of floorings. It is suitable for use on floors with build-in underfloor heating.

TERAFLEX® LEVEL PRO has excellent self-leveling properties with optimal allocation of the mortar. It is applied easily and seamlessly in thickness from 2 to 10 mm. It hardens quickly without cracking and without forming internal tensions. It can be used for leveling of ceramic, plaster, cement, magnesite, wood and other floors in old and new buildings.

If necessary to apply in layers larger than 10 mm or when applying on critical bases, CIMENTOL® FLOOR SCREED must be used.

Properties	
excellent self-leveling properties with optimal allocation of the mortar	quick bonding, without cracking
extremely smooth and homogeneous surface	suitable with build-in underfloor heating
with minimal shrinkage	universally applicable over many bases

Composition

Homogeneous cement-based powder mixture, modified with high technology polymer and cellulose additives and pacificators.

Packaging and Indicative consumption

Packaging:

Paper bags of 25 kg.

Indicative consumption:

about 1,4 – 1,5 kg/m^2 for each 1 mm layer thickness

the consumption depends on the smoothness of the base and the thickness of the applied screed.

Expiration date and storage

Store and transport in tightly sealed original packaging in dry and cool place (best on pallets). Keep away from moisture!

The product is good for use for 12 months after the production date in an unopened original packaging.

Instructions for use

Preparation of the base

TERAFLEX® LEVEL PRO can be used on all bases, which are solid and supporting and do not contain any separating substances (grease, bitumen, dust). The base should be clean, dry and stable, without cracks. Any unsound areas and layers with low mechanical resistance should be removed from it beforehand. Parts covered with mold and fungus are cleaned mechanically (with a wire brush) and then disinfected with a proper cleaning agent. Effloresces on the base have to be swiped and dry brushed.

Upon bases that are soaked with moisture, the source of it must be removed and then they are left to dry completely. The residual moisture should not exceed 2% for cementitious bases and 0,5% for calcium sulphate bases. If there is underfloor heating installed then the values should be as it follows 1,8% for cement-based floors and 0,% for calcium sulphate bases. In order to prevent the floor from the damp, it is recommended using a continuous permanent waterproofing cement-based membrane – HYDROZOL® ELASTIC WATERPROOFING SLURRY.

Concrete and porous bases that are highly absorbent must be primed twice beforehand with POROGRUND®. All slightly crumbly and sandy bases must be primed and strengthened with NANOGRUND®. The screed is applied after the complete drying of the priming layer.

Preparation of the mixture

In a clean stainless steel container pour about 5 to 5,5 L clean water with no additives and gradually add the contents of the bag (25 kg). Stir the ready mixture in a low speed with an electric stirrer (at maximum speed of 600 turns per minute) until reaching homogeneous mixture without lumps. If necessary add water or dry mixture to achieve the required density. The mixture then must be left to „degas“ for about 1-2 min after which it can be used.

Do not mix with cement, sand or other materials because that leads to deterioration of the product's qualities.

Method of work

Immediately after the preparation of the solution, it is poured onto a pre-wetted base, in the form of stripes with a width of 25-35 cm and it is spread by hand trowel in order to be achieved the required thickness of the screed (between 2 and 10 mm). In floors that will be subjected to greater load or to wheelchair movements it is recommended applying a screed with thickness of at least 8 mm.

After spreading the screed using a roller for leveling screeds (with metal or plastic needles) is released the embroiled air in the mixture during the mixing. This ensures the achievement of an absolutely smooth surface.

Within 15-20 min after the mixing the screed maintains its self-leveling properties and can be processed. After this period begins the curing and it can no longer be adjusted. The freshly applied coating must be protected from direct sunlight and high temperatures that cause its excessively rapid drying!

About 3 hours after the application of the screed on the surface can be walked. The finishing floor coating can be applied after the final curing of the screed and acquiring its full compressive strength (after 48 to 72 hours). Before its application is recommended sanding the screed and cleaning the edges of floor with putty that formed during the application of the screed.

Attention!

The screed is for internal use only!

The application of the screed should be done in dry weather at temperature of the base and the environment from +15ºC to +25ºC and air humidity below 75%. The moisture of the base should be less than 2%.

The freshly applied self-leveling screed should be kept away from direct sunlight, sudden temperature changes and quick drying!

The time for complete drying of the screed depends on the weather conditions (temperature and air humidity), but is not less than 48 hours, as it might last up to 3 days.

Hazard description

The product contains cement and may cause an allergic reaction. When used Industry standard hygiene protocols must be followed. Work in well-ventilated places or outdoors. Avoid contact with skin and eyes. Keep out of reach of children. For more information, see The Product Safety Data Sheet.

Classification

Meets the requirements of the European and Bulgarian legislation and it is in accordance with standard:

European standard	Class	Testing protocols
EN 13813	CT-C30-F6	№ 44/11.07.2016

Technical data

The Testing protocols are issued by Construction Materials Testing Laboratory by Marisan and Kolev AD – Ruse.

Indicator	Measure	Testing method	Testing results
Adhesion strength	N/mm^2	EN 13892-8	NDP
Tensile strength when bending	N/mm^2	EN 13892-2	≥ 6
Compressive strength	N/mm^2	EN 13892-2	≥ 30