

## LevelEase 250 Rapid Hardening Self Levelling Underlayment

### Description

KPRO Floor LevelEase 250 screed is a rapid hardening and fibre reinforced cementitious levelling compound for use in domestic and commercial applications. The product complies to the requirements of EN 13813 and should be used in accordance with this standard and manufacturer's instructions.

### Applications

KPRO Floor LevelEase 250 screed is suitable for use internally to prepare substrates, by providing a smooth unbroken surface of 2-50mm, prior to installation of final floor coverings. For application depths greater than 20mm the introduction of Kilsaran 3-5mm grit is recommended. Suitable substrates are;

- Sand & Cement screeds
- Concrete
- Ceramic Tiles
- Calcium Sulphate screeds
- Heated Screeds
- Plywood Subfloors

### Product Use

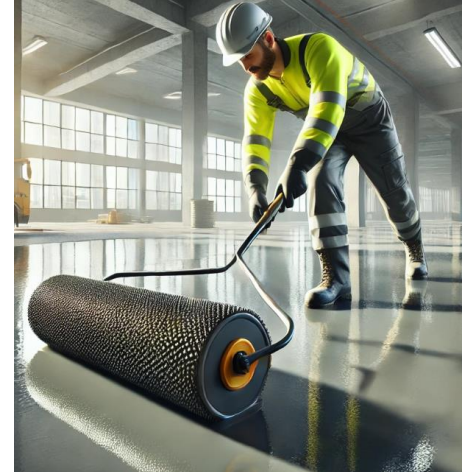
Ensure the supporting concrete base/screed is stable, sound and free from any dust, dirt or grease. The supporting base should then be primed using a suitable acrylic or water-based primer prior to application. Priming of the substrate is critical to ensure sufficient flow life of the compound and to minimise entrapped air bubbles rising through the fresh compound material.

When installing KPRO Floor LevelEase 250 over wooden subfloors, it is essential to ensure the subfloor consists of at least two layers of exterior-grade plywood, with a combined minimum thickness of 32 mm. The OSB/plywood should be securely fastened, properly bonded, and conditioned to create a structurally sound and contaminant-free surface. Additionally, consult the final floor covering manufacturer to confirm that the subfloor meets the specific deflection criteria required for the flooring system.

**Preparation:** Concrete, sand & cement and calcium sulphate screeds must be at least 28 days old and have a residual moisture level of  $\leq 4\%$  CM (ca. 6% Tramex / Gravimetric weight percent) prior to installation of KPRO Floor LevelEase 250. Maximum substrate moisture content in case of underfloor heating is 3% CM for cement screed (ca. 4.5% Tramex / Gravimetric weight percent). Joints in the substrate should be carried through the LevelEase 250, and suitable perimeter strips should be incorporated at junctions etc. to restrain the fluid like fresh material. Prior to the installation of KPRO Floor LevelEase 250, the heated screeds must undergo commissioning, followed by turning off the heating system for a minimum of 2 days.

**Priming:** All surfaces must be thoroughly primed to ensure optimal performance of the levelling compound. Priming is essential to maximize the working time, maintain the flow life, and enhance adhesion, while also preventing air bubbles from rising through the compound. It is crucial to adhere to the manufacturer's specified drying time for the primer to achieve the best results.

**Mixing:** The 20kg bag of material should be mixed with 4.00 – 4.3 litres clean potable water. Excess of water may cause a loss of strengths. Add the dry powder to the water and mix mechanically with a suitable paddle mixer until a lump free homogenous mix is achieved. Allow the fresh material to sit for 1 minute and then thoroughly stir/reagitate. In larger areas the use of a suitable screed pump is advised. At application thicknesses greater than 20mm the introduction of Kilsaran 3-5mm grit is recommended. At the mixing stage, add 1 part Kilsaran 3/5mm grit to 4 parts KPRO Floor LevelEase 250 i.e. 5kg of Kilsaran 3/5mm grit to 20kg of LevelEase 250, and ensure complete mixing.



### Benefits

- Consistently high-quality mix
- Rapid Hardening – Walk on in 2 – 3 hours
- Polymer Modified
- Extended 30 minute working time
- Low shrinkage and crack resistance
- Convenient and User-Friendly
- Can be used from 2mm – 50mm depths
- Solvent free

### Laying Depths

Screed Thickness	Depth
Minimum	2mm
Maximum	50mm*

### Approximate Drying Times<sup>†</sup>

Light foot traffic in 2-3 hours

Screed Thickness depth	Time for covering
Up to 5 mm	6 hours
Up to 50 mm	24 hours

### Approximate Yield

Consumption	Kg / sqm	Yield Bag
2 mm	3.1	6.3 sqm
3 mm	4.7	4.2 sqm
5 mm	7.8	2.5 sqm
10 mm	15.6	1.2 sqm

### Application Temperatures



5° to 30° C

### Health & Safety

Please refer to the relevant Material Safety data sheet online at [www.kilsaran.ie](http://www.kilsaran.ie).

### Pack Size

- 20kg premixed bags

### Get in touch:

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Tech Support: [techsupport@kilsaran.ie](mailto:techsupport@kilsaran.ie)  
Website: [www.kilsaran.ie](http://www.kilsaran.ie)

**Placing:** Pour the mixed KPRO Floor LevelEase 250 onto the prepared substrate, allowing it to flow and self-level within the first 15 minutes of its 20-30 minute working time. Use a steel trowel or squeegee to spread the compound evenly to the desired thickness. Use a spiked roller to release trapped air bubbles and achieve a smooth finish. During the 20-30 minute working time, a steel finishing float can be employed for precise feathering and edge refinement.


**Curing:** Protect the freshly applied surface from drafts until it hardens. Impermeable floor coverings can be installed after 6 hours\*, depending on the material's thickness, room humidity, and temperature. Refer to the drying times listed in the previous page table for guidance.

**Technical Data**

KPRO Floor LevelEase 250 screed is produced in an ISO 9001 quality-controlled environment to the requirements. The product is tested and marketed in accordance with CPR 305/2011 and complies with classification CT-C30-F7 in accordance to EN 13813.

Characteristic	Data Value			
	4 Hr	1 Day	7 Day	28 Day
Compressive Strength	≥ 9 N/mm <sup>2</sup>	≥ 15 N/mm <sup>2</sup>	≥ 20 N/mm <sup>2</sup>	≥ 30 N/mm <sup>2</sup>
Flexural Strength	≥ 2 N/mm <sup>2</sup>	≥ 4 N/mm <sup>2</sup>	≥ 5 N/mm <sup>2</sup>	≥ 7 N/mm <sup>2</sup>
Working Time (20°C)	20-30 mins			
Flow Life (20°C)	15 mins			
Initial Set	40 mins			
Final Set	2 hours			

Product Information	
Form:	Powder
Colour:	Dark Grey
Hazard Information:	Contains cement – Consult Safety Data Sheet
Cleaning:	After completing your work, it is recommended to wash the tools immediately with water before the mortar begins to set.
Packaging:	20 kg paper bag.
Storage Conditions:	Store mortar in a dry, cool environment. Keep mortar away from moisture and direct contact with water.
Shelf Life:	12 months

 Kilsaran Concrete, Piercetown Dunboyne Co. Meath Ireland 24 EN 13813 CT – C30 – F7 Cement based levelling screed material for internal use	
Compressive Strength	C30
Flexural Strength	F7
Reaction to Fire	A1
Release of Corrosive Substances	CT

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