

## LevelEase Duo 225 Self Levelling Underlayment

### Description

KPRO Floor LevelEase Duo 225 screed is a standard-setting Duo component cementitious levelling compound for use in domestic and commercial applications. The product complies with the requirements of EN 13813 and should be used in accordance with this standard and the manufacturer's instructions.

### Applications

KPRO Floor LevelEase Duo 225 screed is suitable for use internally to prepare substrates, by providing a smooth unbroken surface of 2-25 mm, prior to installation of final floor coverings. Suitable substrates are:

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

### 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.

**Preparation:** Before installing KPRO Floor LevelEase Duo 225, ensure that concrete, sand-cement, and calcium sulphate screeds are at least 28 days old and fully dry. The moisture content should be below 4% CM (around 6% Tramex or gravimetric). For screeds with underfloor heating, the limit is 3% CM (around 4.5% Tramex or gravimetric). Any joints in the substrate must be mirrored through the KPRO Floor LevelEase Duo 225 layer. Additionally, suitable perimeter strips should be used at edges and junctions to contain the fluid material and prevent movement during curing.

For heated screeds, it is crucial to commission the heating system prior to installation. After commissioning, turn off the heating system and allow it to cool for at least 2 days before applying KPRO Floor LevelEase Duo 225.

**Priming:** All surfaces must be thoroughly primed to ensure optimal performance of the leveling 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:** To prepare KPRO Floor LevelEase Duo 225, mix one 20kg bag of the dry material with Component B, which is a 4.6kg bottle of dispersed acrylic. It is important not to add any additional water to the mix, as this may compromise the product's strength and overall performance. Begin by pouring the entire contents of the dispersed acrylic bottle into a clean mixing bucket. Gradually add the dry powder to the liquid while continuously mixing with a mechanical paddle mixer. Mix thoroughly until the mixture reaches a smooth, lump-free, and homogenous consistency. Once mixing is complete, allow the material to rest for approximately one minute to realise any trapped air bubble. For applications involving large areas, it is essential to plan for sufficient workforce to ensure the material is poured and spread within the appropriate working time. If a layer thickness exceeding 25mm is required, KPRO Floor LevelEase 250 should be used instead, as it is specifically designed to accommodate thicker applications. Following these steps will help ensure optimal product performance and a professional finish.



### Benefits

- Consistently high-quality mix
- Walk on in 6 hours
- Bi Component, Highest quality in polymer
- Extended 40 minute working time
- Low shrinkage and crack resistance
- Convenient and User-Friendly
- Can be used from 2mm – 25mm depths
- Solvent free

### Laying Depths

Screed Thickness	Depth
Minimum	2mm
Maximum	25 mm*

### Approximate Drying Times\*

Screed Thickness depth	Time for covering
Up to 5 mm	12 hours
Up to 20 mm	24 hours

### Approximate Yield

Consumption	Kg/m <sup>2</sup>	Yield Bag+ Bottle
2 mm	3.8	6.5 sqm
3 mm	5.7	4.3 sqm
5 mm	9.5	2.6 sqm
10 mm	19.0	1.3 sqm

### Application 5° to 30° C



### Health & Safety

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

### Get in touch:

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**Placing:** Pour the mixed KPRO Floor LevelEase Duo 225 onto the prepared substrate and let it 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. Since the maximum aggregate size is 0.5 mm, it is suitable for feather applications, with a minimum thickness of 2 mm. To achieve a smooth finish, use a spiked roller to release trapped air bubbles. During the working time, a steel finishing float can be used for precise feathering and refining edges.


**Curing:** Protect the freshly applied surface from drafts until it hardens. Impermeable floor coverings can be installed after 12 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 Duo 225 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-C25-F6 in accordance to EN 13813.

Characteristic	Data Value			
	4 Hr	1 Day	7 Day	28 Day
Compressive Strength	≥ 6 N/mm <sup>2</sup>	≥ 8 N/mm <sup>2</sup>	≥ 17 N/mm <sup>2</sup>	≥ 25 N/mm <sup>2</sup>
Flexural Strength	≥ 2 N/mm <sup>2</sup>	≥ 3 N/mm <sup>2</sup>	≥ 4 N/mm <sup>2</sup>	≥ 6 N/mm <sup>2</sup>
Working Time (20°C)	20-30 mins			
Flow Life (20°C)	15 mins			
Initial Set	50 mins			
Final Set	2 hours			

Product Information	
Form Component A / Component B	Powder / Liquid
Colour Component A / Component B	Dark Grey / White Opaque Liquid
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 plus 4.6 kg Liquid Bottle
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 – C25 – F6 Cement based levelling screed material for internal use	
Compressive Strength	C25
Flexural Strength	F6
Reaction to Fire	A1
Release of Corrosive Substances	CT

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