

# pro-screed

# Ultra

## 2 part rapid setting latex polymer levelling & smoothing compound

- **Rapid Setting**  
Walk on after 80 minutes Install floorcoverings after 3 hours
- **Long open time**  
For ease of use
- **Application depth**  
2 - 22mm
- **Excellent flow**  
And application properties
- **Suitable for use**  
Over old adhesive residues
- **Moisture tolerant**  
Can be used above and below DPM's
- **No priming necessary**  
On most subfloors
- **Perfect for timber substrates**
- **Suitable for use**  
With underfloor heating systems
- **Very low odour**
- **Protein, ammonia & casein free**

### DESCRIPTION

Pro-Screed Ultra is a rapid-setting 2 part latex polymer levelling and smoothing compound with excellent flow and adhesion properties.

The unique formulation qualities allow Pro-Screed Ultra to be used without the need to prime on the large majority of subfloors. Pro-Screed Ultra is rapid setting and can receive foot traffic after as little as 80 minutes and floorcoverings can be installed after just 3 hours or only 2 hours for ceramics.

Pro-Screed Ultra can be applied from depths of 2mm to 22mm in one application.

Pro-Screed Ultra is moisture tolerant and can be used under and over DPM's.

Pro-Screed Ultra is suitable for application over most underfloor heating systems and being protein-free can be used in biologically sensitive areas.



### USES/SUBFLOORS

Pro-Screed Ultra is suitable for smoothing and levelling most internal subfloors including:

Concrete, cement/sand screed, flooring grade asphalt/bitumen, stone, ceramic, porcelain or terrazzo tiles, moisture tolerant adhesive residues, rigid vinyl tiles, tile backer boards, rigid timber boards, flooring grade plywood, rigid steel/metal and epoxy damp proof membranes.

Pro-Screed Ultra is suitable for underfloor heating systems, provided a maximum temperature of 27°C is not exceeded.

**If in any doubt as to the suitability of Pro-Screed Ultra for the installation, please contact our technical department or carry out tests to establish suitability.**

### SPECIFICATION

Screed Type:	Cement Polymer mix
Colour:	Beige
Flashpoint:	Non-Flammable
Coverage:	Approx. 4.5m <sup>2</sup> @ 3mm
Compression Strength:	CT-C20-F7
Application Temperature:	+5°C to +27°C
Working Time:	Approx. 20 Minutes depending on temperature, humidity and subfloor
Storage & Shelf Life:	12 months in original unopened packaging stored between +5°C and +30°C.
Container Size:	20kg Bag 4.5 Litre Polybottle

### DIRECTIONS FOR USE

#### IMPORTANT

Before using F5ULTRA Pro-Screed Ultra please refer to the safety data sheet, available at [www.floorwise.co.uk](http://www.floorwise.co.uk)

#### SURFACE PREPARATION

Subfloors should be sound, clean, dry and free from rising damp, grease, loose material and surface laitance. Any remaining adhesive residues should be checked to ensure that they cannot be softened by water, and that they are hard, sound and have sufficient cohesive strength to receive Pro-Screed Ultra.

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## SURFACE PREPARATION (continued)

When installing moisture sensitive floorcoverings, and before levelling with **Pro-Screed Ultra**, the concrete or sand/cement screed should be confirmed dry by consistent moisture readings; <75% relative humidity (RH) or <0.5% residual moisture when tested in accordance with BS 8203. A liquid damp-proof membrane is recommended to be applied in areas with rising damp and/or where residual moisture levels are above 75% up to 98%.

New heated screeds should be commissioned before installing any floorcovering. Heat up should not begin for 21 days after laying cement/sand screeds, or 7 days after laying calcium sulphate screeds. The commissioning process should be carried out in accordance with the recommendations of the screed manufacturer and be continued until the screed is confirmed dry. After commissioning and ascertaining moisture levels, if time scales do not allow adequate drying of the screed to occur, a liquid damp-proof membrane should be applied to the surface. Underfloor heating systems must be switched off 48 hours before application.

So as not to cause heat damage to the floorcovering, when using **Pro-Screed Ultra** to encapsulate electric underfloor heating cables follow the guidance of the floorcovering manufacture for the required compound depth. Once **Pro-Screed Ultra** has been applied allow 7 days before switching the underfloor heating back on, initially keeping it at a low temperature, increasing daily by no more than 2°C.

Prior to levelling timber substrates ensure the timber boards are securely screwed down and firmly fixed. Where timber substrates are sufficiently rigid but uneven or worn, **Pro-Screed Ultra** can be used to smooth and level the timber substrates prior to over-boarding with flooring grade plywood or a tile backer board. Ensure **Pro-Screed Ultra** is cured before fitting the overlay boards. The plywood panels should be loosely stacked in the room where they are to be laid prior to fitting to create as close to in-use conditions as possible and should be fixed using screws at 100mm centres around the perimeter and 150mm centres elsewhere. Tile backer boards should be fitted following the manufacturer's instructions.

Existing stone, ceramic, porcelain and terrazzo tiles should be well bonded to a structural solid base and must be able to take the additional weight of the **Pro-Screed Ultra** levelling compound. Although unaffected by dampness, the joints between the tiles and the tiles themselves might be sufficiently permeable to allow moisture penetration to the back of the floorcovering. When necessary, protection from moisture should be provided by covering the surface with a liquid damp-proof membrane.

**Pro-Screed Ultra** is moisture tolerant and can be used below and above epoxy damp proof membranes. To ensure the consistent drying of the floorcovering adhesive, impervious substrates (epoxy damp-proof membranes, flooring grade asphalt and steel) must be covered with a minimum 3mm layer of **Pro-Screed Ultra**.

## PRIMING

Most subfloors do not require priming prior to application of **Pro-Screed Ultra**, but it should be pointed out that priming will help the flow and prolong the working time, especially in areas with high porosity. Priming also helps reduce the formation of pinholes.

## MIXING & APPLICATION

Pour all **Pro-Screed Ultra Latex Liquid** into a suitably clean mixing bucket. Add the powder gradually whilst mixing with an electric stirrer/power whisk at a medium setting.

When all the powder is added continue to mix for a further two minutes until a lump free consistency is obtained. Keep the whisk below the surface to minimise air entrapment.

Once mixed, do not add further latex polymer liquid or water.

**Pro-Screed Ultra** will remain workable from the mixing vessel for 20 minutes at 20°C.

Ensure that the subfloor temperature is above 5°C. Pour onto the prepared subfloor and trowel down lightly to the required depth between 2-22mm.

The immediate use of a spiked roller is recommended in order to remove entrapped air and smooth out flow lines. Setting times will depend on atmospheric conditions and temperatures. It will be slowed by lower temperatures and accelerated by higher temperatures.

When applying **Pro-Screed Ultra** to a subfloor that is non-porous or impervious, or if the subfloor contains old adhesive residues, **Pro-Screed Ultra** should be applied to a minimum of 3mm. This will ensure that any new adhesive application will dry consistently and there is no interaction between the old and the new adhesive.

When applying **Pro-Screed Ultra** in layers, allow each layer to dry fully before pouring the next mix. Priming between layers with a diluted coat of **Pro-Screed Prime** is recommended in this instance to maximise the compounds flow and surface finish. Always make sure that the layer on top is thinner than the layer below.

**Pro-Screed Ultra** is suitable to be pump applied.

## DRYING TIME

In ideal conditions, **Pro-Screed Ultra** can accept light foot traffic after 80 minutes but must be left to dry before applying the final decorative surface. This is typically 3 hours for flooring such as vinyl and 2 hours for ceramic tiles.

Thicker applications may require a longer time to dry. If there is no or limited airflow within the building, drying times may be affected.

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## COVERAGE

Coverage will vary dependent on the type and texture of the subfloor. As a guide, a 20kg bag/4.5 Litre **Latex Liquid** when used on smooth surfaces will provide the approximate coverage rates:

Thickness	Approximate Coverage
2mm	6.75m <sup>2</sup>
3mm	4.5m <sup>2</sup>
5mm	2.7m <sup>2</sup>
10mm	1.35m <sup>2</sup>
22mm	0.61m <sup>2</sup>

## CLEANING

Clean tools and mixing vessels immediately after use with clean water.


## STORAGE

Powder - store in unopened bags, clear of the ground in cool, dry conditions. Protect from excessive draught and use within 12 months of the date stamped on this package. Liquid – store in frost-free conditions, out of direct sunlight and use within 12 months of the date stamped on the bottle.

## DISPOSAL

Dispose of empty bags or surplus product safely in accordance with local authority regulations. Set and hardened product may be disposed of as builders' waste. Do not allow fresh or hardened mortar to enter drain or sewage systems.

## HEALTH & SAFETY GUIDANCE

<b>4.5L 20Kg</b>	<b>F5ULTRA Pro-Screed Ultra</b> 2 part Latex Polymer Levelling & Smoothing Compound	<b>UN1950</b>
<p><b>Pro-Screed Ultra</b> is not classified as hazardous. Follow advice stated on the safety data sheet which can be accessed via our website <b>www.floorwise.co.uk</b> or by scanning the QR Code:</p> 		
<b>KEEP OUT OF THE REACH OF CHILDREN</b>		
Label in accordance with (EC) No. 1272/2008		

**Technical Helpline**  
**+44 (0)01509 673974**

## DISCLAIMER

NOTE: Floorwise Group Ltd provides all information in good faith. Our policy is one of continuous research and development, so please note that our information may be subject to updates without prior notice. Whilst assuring our products will be produced to consistently high standards, it is important to acknowledge that as we lack control over site conditions or the standard of work, we cannot assume liability for any resulting loss or damage.

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