

# Pro AF Low Prep Self Smoothing Levelling Compound

## Ammonia and Latex Free Self Smoothing Cementitious Floor Levelling Compound

- Ammonia free
- Latex free
- Suitable for most substrates without priming, including bitumen
- Lay ceramic and porcelain tiles after 3 hours, lay floor coverings after 4 hours
- Bed depth up to 30mm
- Moisture tolerant
- Suitable for use with underfloor heating
- Conforms to CT-C14-F6



Pro AF 2-Part Low Prep Self Smoothing Levelling Compound is suitable for use on most substrates without the need for priming. It is particularly suitable for use over old adhesive residues and bitumen due to its low compressive strength. A bed depth of up to 30mm can be achieved with the addition of 3mm single-size granite chippings.

### SURFACE PREPARATION

Floor surfaces must be suitably prepared: sound, dry (<75% RH) and free from contaminants that may prevent adhesion. Concrete and sand: cement screeds must be fully cured and any laitance or surface treatments must be removed. For substrates with readings up to 95% RH, where a damp proof membrane already exists, Norcross Pro Moisture Suppressant should be used. The temperature of the floor must be maintained above 5°C throughout the application and drying of the underlayment. Underfloor heating must be turned off, or maintained at not greater than 15°C\*\* for at least 48 hours before, during and after application. The heating must not be switched up to operating temperature until at least 14 days after the leveller has been applied, when it should be raised at a rate of 5°C per day.

\*\*This may be different for the adhesive. Check adhesive manufacturer's recommendations for guidance.

### PRIMING

Priming is not required for most subfloor surfaces with the exception of Anhydrite Screeds (further detail can be found under Preparation).

### MIXING

Pour the contents of the 5L container into a clean mixing bucket and gradually add all the powder whilst stirring with a power whisk fitted in an electric drill until a smooth, lump free consistency is achieved. The material should be mixed for a minimum of 3 minutes.

10kg of 3mm granite chippings can be added at this stage and mixed using a paddle mixer until fully dispersed into the mix.

<b>EN 13813 Classification</b>	CT-C14-F6	
<b>Working Time @ 20°C</b>	20 minutes	
<b>Walk on Hardness Time @ 20°C</b>	2 hours	
<b>Ready to Receive Floor Coverings (at 3mm Thickness)</b>	3 hours	Ceramic and Porcelain Tiles
	4 hours	Floor Coverings
<b>Compressive Strength (EN13813: 2002)</b>	28 day	16 N/mm <sup>2</sup>
<b>Flexural Strength (EN13813: 2002)</b>	28 day	5.5 N/mm <sup>2</sup>
<b>Consumption Per mm Thickness</b>	Approx. 14m <sup>2</sup>	
<b>Application Thickness: Unfilled</b>	0mm to 12mm	



## PREPARATION

<b>Concrete/ Power Floated Concrete</b>	Must be a minimum of 6 weeks old. This may be reduced to 48 hours if Norcross Permalayer anti-fracture membrane is used. Power Floated concrete – brush apply either Norcross Key bond or a slurry bond coat consisting of 2 parts cement-based levelling powder or adhesive: 1 part Norcross Prime Bond & allow to dry.
<b>Cement:Sand Screed</b>	Must be a minimum of 3 weeks old. This may be reduced to 48 hours if Norcross Permalayer anti-fracture membrane is used. If the screed is dusty or porous it is recommended that a coat of Norcross Prime Bond diluted 1:4 with water is applied. Allow to dry.
<b>Anhydrite/ Hemihydrate (Gypsum) Screed</b>	Dry in accordance with manufacturer's recommendations. Mechanically remove all traces of laitance. Prime using progressively stronger coats of Norcross Prime Bond - 1:4 with water: 1:3 with water & if still absorbent 1:2 with water. Allow to dry between coats.
<b>Heated Floors</b>	Underfloor heating must be turned off or maintained at not greater than 15°C for at least 48 hours before, during and after application. After levelling, the heating should not be switched on for 14 days after which the temperature should be raised at a rate of 5°C per day to operating temperature (Refer to Norcross How to sheet 'Commissioning of Underfloor/Undertile Heating Systems'). Undertile heating cables and mats should be encapsulated in a bed of Norcross Pro AF Levelling Compound.
<b>Asphalt</b>	An application thickness of at least 3mm (no greater than 6mm) required.
<b>Adhesive Residues</b>	Remove any loosely adhered residues.
<b>Bitumen</b>	Remove any loosely adhered bitumen.
<b>Timber Floors</b>	Screw down and firmly fix any loose boards. Pre-level the timber if required by overlaying with plywood or a suitable backer board.

## APPLICATION

Pour the compound onto the floor and trowel out to the desired depth. The product is self smoothing, but the use of a spiked roller will improve performance. Ceramic and porcelain tiles can be laid as soon as the product supports weight, i.e. after approximately 3 hours. It should be noted that the pot life and set times of the product will be extended in cold conditions and reduced at high temperatures.

## PUMP APPLICATION

Suitable for pumping with appropriate equipment.

## COVERAGE

Application thickness	Approx. Per 25kg unit**
<b>1mm</b>	14m <sup>2</sup>
<b>2mm</b>	7m <sup>2</sup>
<b>3mm</b>	5m <sup>2</sup>
<b>5mm</b>	3m <sup>2</sup>
<b>8mm</b>	3m <sup>2</sup> (use of aggregate)
<b>10mm</b>	2.3m <sup>2</sup> (use of aggregate)

\*\* Coverage rates are for guidance only & will vary according to the condition of the subfloor. A 25kg unit consists of 1 x 20kg bag + 5 litres (equivalent to 5kg) of liquid.

## DRYING

Drying is dependent on the absorbency of the subfloor, ambient temperature and humidity. On absorbent surfaces, at a nominal 2mm thickness, the underlayment will be ready to receive most floor coverings within 12 hours.

## STORAGE

Store in dry internal conditions away from direct sunlight between 5°C to 20°C. Norcross Pro AF Levelling Compound powder has a 12 month shelf life from date of manufacture.

## TECHNICAL ADVICE

For advice on tile installation products call Norcross Technical Helpline on 01782 524140.

## HEALTH & SAFETY



CONTAINS  
CHROMIUM VI  
DANGER

Causes skin irritation. Harmful if swallowed. Causes serious eye damage. May cause respiratory irritation. Keep out of reach of children. Avoid breathing dust. Wear protective gloves and eye protection. Wash hands thoroughly after handling. IF SKIN IRRITATION OCCURS: Get medical advice/attention. IF SWALLOWED: Call a poison centre or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre or doctor/physician. Dispose of contents/container in accordance with local/regional regulations.



**EN 13813 : 2002 CT-C14-F6**  
Screed materials and floor screeds