

UNIVERSAL LEVELLING COMPOUND

Polymer Modified Self Smoothing Cementitious Floor Leveller



- ◇ Internal
- ◇ Traffic in 3 Hours
- ◇ Polymer Enhanced
- ◇ 0-8mm
- ◇ Up to 20mm with Granite Chippings

A single part, polymer modified self smoothing levelling compound suitable for levelling a variety substrates including concrete, cement: sand screed, flooring grade asphalt and existing quarry and vinyl tiles. It is suitable for use with undertile heating where it may be used to encapsulate the cables, providing a level surface to tile and also protecting the cables from damage during tile fixing. The product has excellent flow properties making it ideal for preparing floors prior to fixing ceramic, porcelain, natural stone or soft floor coverings such as carpet, vinyl and timber.

Pot Life @ 20°C	Set Time @ 20°C	Bed Thickness	Coverage
Approx. 20 minutes	Approx. 3 hours for ceramic/porcelain tiles Approx. 24 hours for natural stone tiles Approx. 48 hours for soft floor coverings	0 to 8mm Or Up to 20mm when mixed with equal parts of single size granite chippings	20kg will cover approx. 2.4m ² at 5mm thick and up to 5m ² at 2-3mm thickness. When mixed with 20kg granite chippings, a 20kg bag will cover approx. 2m ² at 10mm thick

Internal	External	Cement: Sand Render/ Screed	Anhydrite Screeds	Existing Vinyl/ Flooring Grade Asphalt	Existing Glazed Tiles	Heated Floors	Timber Floors	Total Immersion
Y	N	Y	Y Seal & Prime As Overleaf	Y	Y Slurry Bond Coat	Y	N	N



UNIVERSAL LEVELLING COMPOUND

General Surface Preparation

All surfaces should be dry, clean and strong enough to support the tiles to be fixed. All traces of dirt, dust laitance and other contaminants must be mechanically removed. Substrates should be true and flat to allow tiles to be fixed without visible lipping of tile edges. On floors, variations in surface level of the substrate which exceed 3mm under a 2 metre straight edge, should be levelled using either **Norcross Universal Floor Leveller** or **Norcross Pro 50 Levelling Compound**. This will be particularly appropriate where larger tiles, tiles with rectified edges or mosaics are being installed. Porous or dusty surfaces must be sealed using **Norcross Prime Bond** diluted 1: 4 with water.

SUBSTRATE	PREPARATION
CONCRETE/ POWER FLOATED CONCRETE	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 a slurry bond coat consisting of 2 parts adhesive: 1 part Prime Bond & allow to dry
CEMENT: SAND SCREED	Must be a minimum 21 days old. This may be reduced to 48 hours if Norcross Permalayer anti-fracture membrane is used.
ANHYDRITE/HEMIHYDRITE ** SCREED(GYPSUM) SCREEDS)	Dry in accordance with manufacturers 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.
HEATED FLOORS	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. Undertile heating cables and mats should be encapsulated in a bed of either Norcross Pro 50 or Norcross Universal Floor Leveller
VINYL TILES/ASPHALT	Must be sound & in good condition. Prime with undiluted Prime Bond & allow to dry
EXISTING GLAZED TILES	Must be well fixed and able to support the additional weight of tiling, Thoroughly clean and degrease & allow to dry before brush applying a slurry bonding coat consisting of 2 parts leveller: 1 part Prime Bond. Allow to dry.

In wet areas or those with intermittent wetting such as showers, moisture sensitive backgrounds such as plaster should be tanked using **Norcross Wet Seal Tanking Membrane

Setting Out

To gauge the floor to be levelled use a 2 metre straightedge and rotate through 360° noting where any gaps are present between the base and straightedge. Any gaps greater than 3mm should be chalk marked. In the case of more serious deviations in levels, countersunk screws should be drilled and plugged into the floor at 500mm centres. The screws should then be lined up and adjusted to the correct height by placing the straight-edge and a spirit level across them to achieve plumb markers up to which the compound can be screeded.

Mixing

Into a clean pail add 4 to 4.4 litres of clean water and slowly add the 20kg of **Universal Levelling Compound**. Mix with a rotary drill paddle to form a creamy lump-free consistency. Any aggregate should be introduced after the initial mixing stage.

Application

Pour the compound onto the floor and trowel out to the desired depth. The product is self smoothing. Ceramic & 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.

Storage

Store in dry internal conditions away from direct sunlight between 5-25°C. The product has a 12 month shelf life from date of manufacture.

Technical Advice

For advice on tile installation products call **Norcross Technical Helpline** on **01782 524 140**

Norcross Adhesives,
Harewood Street,
Tunstall, Stoke-on-Trent,
Staffordshire, ST6 5JZ

Tel: +44 (0) 1782 524140
www.norcross-adhesives.com



Made in the UK

