

TILE TO GYPSUM TILE ADHESIVE

Fibre Reinforced Anhydrite Based Adhesive

- Gypsum based
- Fixes tiles onto anhydrite/gypsum based screeds
- Fibre reinforced
- No sealing required
- Fast setting & flexible
- Underfloor heating
- Walls & floors



Norcross Tile to Gypsum adhesive is a fibre reinforced anhydrite based thin bed adhesive designed for the internal fixing of fully vitrified porcelain, ceramic and natural stone tiles directly to gyvon/gypsum/anhydrite/calcium sulphate based screeds and gypsum plaster walls with a Relative Humidity (RH) of up to 85%. Unlike when cement-based adhesives are used, surfaces do not require sealing, however highly absorbent surfaces should be primed using Norcross Prime Bond diluted 1: 4 with water and allowed to dry before fixing commences. The adhesive has a setting time of 2 hours at 20°C permitting early trafficking of the tiled installation. When cured, the adhesive achieves comparative strengths to a conventional C2 cement-based adhesive. Norcross Tile to Gypsum has a significantly lower carbon footprint than traditional cement-based adhesives.

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|------------------------|-------------------------|
| Cement:Sand Render | No |
| Anhydrite Screed | Yes |
| Existing Vinyl | No |
| Flooring Grade Asphalt | No |
| Existing Glazed Tiles | No |
| Heated Floors | Yes |
| Timber Floors | No |
| Plaster/Plasterboard | Yes No priming required |
| Total Immersion | No |

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| EN Classification | N/A |
| Working Time @ 20°C | Up to 30 minutes |
| Set Time @ 20°C | 2 hours |
| Bed Thickness | 2mm to 6mm |
| Coverage | Walls: Approx. 3kg/m ² Floors: Approx. 4kg/m ² |
| Trowels: Walls - Dry Areas | 6mm round notches |
| Walls - Wet Areas | 10mm tapering notches |
| Walls - Mosaics | 4mm square notches |
| Floors | 20mm round notches |

SURFACE PREPARATION

All surfaces should be dry, clean and strong enough to support the tiles to be fixed. Tiling substrates should be true and flat to permit fixing without visible lipping of tile edges. Porous or dusty surfaces must be sealed using Norcross Prime Bond diluted 1:4 with water. Allow to dry.



Anhydrite & Hemihydrate (Gypsum) Screeds

These must be cured to their respective manufacturers directions before tiling can begin. Remove all traces of dust and sand the screed to remove all loose/weak/friable laitance. Prime with Norcross Bond diluted 1:4 with water to reduce porosity and suppress dust. Allow to dry.

Heated Floors (Dense Construction)

Tile to Gypsum Adhesive is suitable for use with underfloor and undertile heating systems. After tiling the floors should not be switched on for at least 14 days and then brought up to operating temperature gradually during the initial heating of the floor (Refer to Norcross How to Sheet 'Commissioning of Underfloor/Undertile Heating Systems').

Gypsum Plasterboard**

Maximum weight limit is 32kg/m².

Gypsum Plaster**

Plaster skim and backing coat must be a minimum of 4 weeks old. Plaster skim only, at least 7 days old. Prime with Norcross Prime Bond diluted 1:4 with water. Allow to dry.

**In wet areas or those of intermittent wetting such as shower areas, moisture sensitive backgrounds such as plaster should be waterproofed using Norcross Wet Seal.

MIXING

Into a clean pail add 1 part of cold water and gradually introduce approximately 4 parts of adhesive powder stirring to blend the mixed mortar to a smooth lump free consistency. The properly mixed mortar will be thick enough to hold the adhesive ribs without slumping. Mix only enough material that can be used within the pot life of the product which will be around 30 minutes - this will be extended in cold conditions and reduced in hot weather/ warm temperatures.

APPLICATION

Using a suitably notched trowel spread the adhesive onto the fixing surface to form parallel ribs into which the tiles should be applied with a firm twisting action. Spread only enough material that remains workable and as such fully wets out on the tile backing. Solid-bed void-free fixing is essential. Tiles with deeply keyed back profiles may need to be

back buttered. The adhesive is designed for thin bed fixing up to 6mm although in isolated areas it can be bedded out up to 12mm in thickness. Tiles may be grouted as soon as the adhesive bed is set. Under normal conditions this will be around 2 hours after fixing although this will be extended in cold conditions and reduced in hot weather/ warm temperatures. Do not use below 5°C.

COVERAGE

Tile to Gypsum product has a coverage rate of 0.9kg/m²/mm bed thickness i.e. 3mm adhesive bed (walls) = 0.9 x 3 = 2.7kg/m² or a 22kg bag will cover approximately 8m². 4mm adhesive bed (floors) = 0.9 x 4 = 3.6kg/m² or a 22kg will cover approximately 6m².

STORAGE

Store in dry internal conditions away from direct sunlight between 5°C to 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 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.