

# TILE TO GYPSUM ADHESIVE



- ◇ Designed for fixing onto Anhydrite/ Gypsum based screeds
- ◇ No sealing required
- ◇ Fibre reinforced
- ◇ Fast Setting
- ◇ Flexible
- ◇ Underfloor heating
- ◇ Eco Friendly
- ◇ Walls & Floors





## TILE TO GYPSUM ADHESIVE

### Description

**Norcros 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 gyvlon/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 **Norcros 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.

**Norcros Tile to Gypsum** has a significantly lower carbon footprint than traditional cement-based adhesives

### Surface Preparation

The substrate should be clean and dried to a moisture content of not greater than 85% (RH). If the screed/ plaster is dusty/highly absorbent, remove the surface dust prior to priming with **Norcros Prime Bond** diluted 1: 4 with water and allow to dry.

### Mixing

Into a clean pail add 1 part of cold water and gradually introduce approximately 4 parts of adhesive powder stirring 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 material which will be around 30 minutes at 20°C – 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

The product has a coverage rate of 0.9kg/m<sup>2</sup>/mm bed thickness.

i.e. 3mm adhesive bed (walls) = 0.9 x 3 = 2.7kg/m<sup>2</sup>

Or a 22kg bag will cover approximately 8m<sup>2</sup>

4mm adhesive bed (floors) = 0.9 x 4 = 3.6kg/m<sup>2</sup>

Or a 22kg will cover approximately 6m<sup>2</sup>

### Storage and Shelf Life

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

### Technical Advice

For advice on tile installation products call: **Norcros Technical Helpline on 0870 609 2851.**