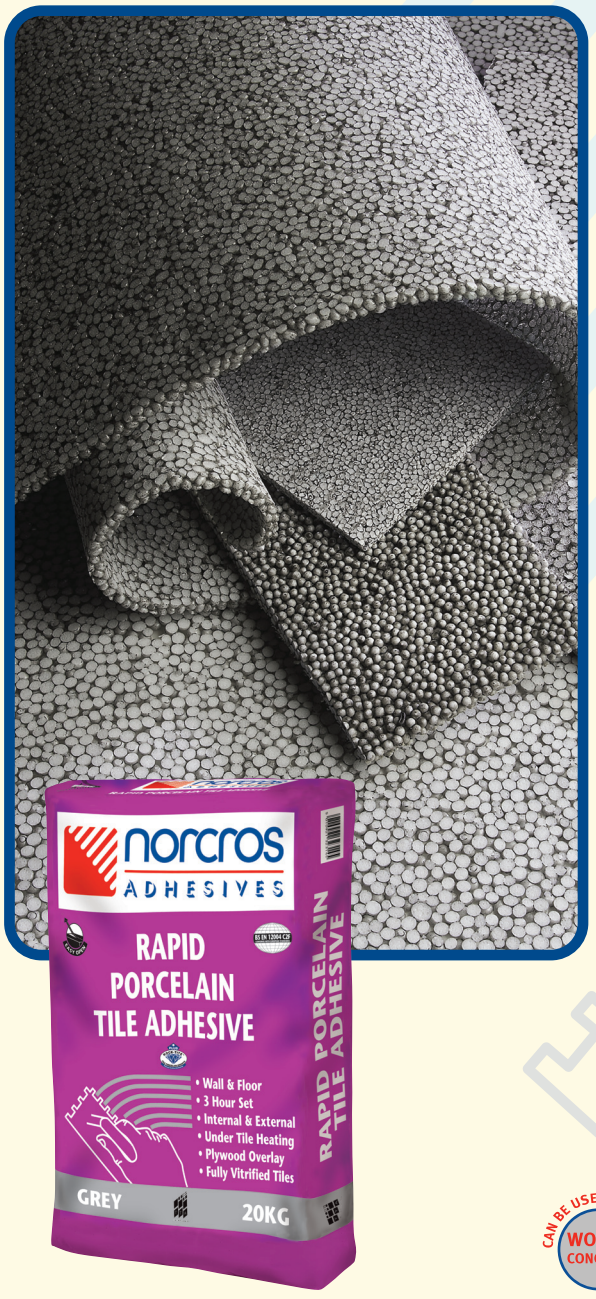
norcros ADHESIVES

PERMALAYER™

anti-fracture underlay for tiles



- Green Screeds & Concrete
- Timber floors & Areas with Limited Movement
- Fracture Resistant - up to 3mm
- Under Floor Heating
- 1.8mm Thick
- 1.2m (3.93") wide x 16.5m (54.1") length. Approx 20m²

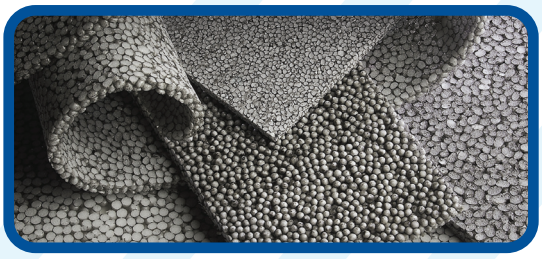
GUARANTEE LIFE TIME GUARANTEE

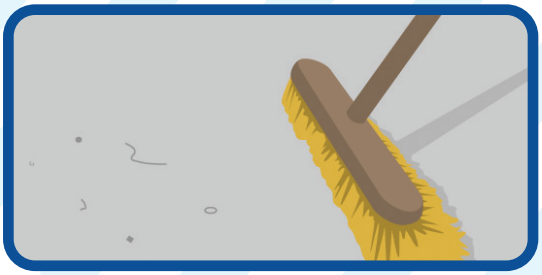
CAN BE USED ON WOOD+ CONCRETE | CRACK RESISTANT 3 mm | THIN LAY 1.8 mm | IMPACT RESISTANT | EASY LAY ONE PRODUCT CUTS WITH KNIFE | USING BROCK Technology

The Tile Association | nsPlus

Products You Can Trust

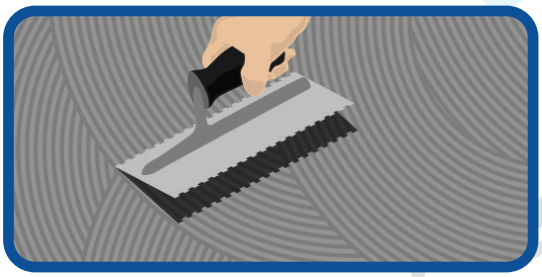
PERMALAYER™ anti-fracture underlay for tiles





Brush surface clear of any loose dirt and debris. Prime with ***Norcros Prime Bond.***

Cut ***Permalayer.***



Apply ***Norcros Rapid Porcelain Tile Adhesive*** *to floor using a thin bed notched wall trowel. Lay* ***Permalayer*** *on adhesive and roll flat until adhesive appears through surface. Allow the adhesive to dry.*

Apply ***Norcros Rapid Porcelain Tile Adhesive*** *using a suitable notched trowel. Tile as normal.*

Description

Permalayer is an anti-fracture underlay designed for use over timber as well as green and cured concrete slabs and screeds. The unique **Permalayer system** enables fractures up to 3mm wide to be bridged without affecting the tiled finish. When used correctly **Permalayer** removes the need for costly floor build-ups such as plywood overlays. The layer enables the substrate beneath to move laterally, protecting the tiled finish from the detrimental effects of subfloor movement. A solid bed can also be achieved due to the flat nature of the underlay eliminating the problems associated with point loading.

Permalayer is suitable for use in conjunction with floors incorporating heating pipes. The following results were obtained from independent tests performed by **Ceram Research** on **Permalayer**:

- The tile finish and grout joints were protected from the drying shrinkage normally experienced by green concretes and screeds, permitting tile fixing to commence a minimum of 48 hours after construction of the floor, with no damage experienced by either the tiles or grout joints.

- When tiles were laid onto the **Permalayer** which had been fixed to tongue & groove chipboard fixed to 38 x 150mm timber joists at 600mm centres, using **Norcros Rapid Porcelain tile adhesive**, the timber floor achieved a mean failure load of 6.2kN at a mean deflection of 16.3mm with only the tile directly under load cracking after the timber floor itself had failed. The surrounding tiles did not fail and no cracking was noted in the tile adhesive bed. This exceeds the requirements of BS 6399-1 1996 Loading for Buildings. Part 1 Code of practice dead and imposed loads which states that the maximum load a floor must resist for domestic, office and shopping areas is 4.5kN.

Installation

Brush the surface to remove all traces of dust, debris and laitance.

Concrete/Cement: sand screeds:
Must be a minimum 48 hours old. Prime with **Norcros Prime Bond** diluted 1:4 with water.

WBP/Marine Grade Plywood and Tongue & Groove Floorboards:
Prime with neat **Norcros Prime Bond**. Cut the **Permalayer** to the required room size. Apply **Norcros Rapid Porcelain Tile Adhesive** to the substrate using a thin bed notched wall trowel. Lay the **Permalayer** onto the adhesive bed and roll flat until the adhesive appears through the surface. Allow the adhesive to dry.

Apply **Norcros Rapid Porcelain Tile Adhesive** onto the **Permalayer** using a suitable notched floor trowel and lay the tiles into the adhesive bed as normal, ensuring that a solid void-free bed is achieved. Joints between the tiles must be a minimum 3mm wide. Allow the adhesive to dry prior to grouting using **Norcros Flexible Floor & Wall Grout**. **Permalayer** does not eliminate the need for movement joints which should be incorporated in the tiled installation in accordance with BS 5385: Part 3.

Technical Advice

Further installation advice is available on the **Permalayer** link on the **Norcros Adhesives website**

For advice on tile installation products call:
Norcros Technical Helpline on 0870 6092851.