



EASI-MAT

UNCOUPLING MEMBRANE



- Thin layer Un-Coupling Mat to protect tiling from lateral movement & stress
- Protects Tile & Stone from surface shrinkage, joint movement & tension
- Suitable for internal floors including bathrooms & kitchens
- Can be installed within heated sub-floors and over timber floors
- Has crack bridging properties to protect tiles on old worn surfaces
- Easy to cut & place with minimal [0.7mm] effect on height of floor tiling

Description:

PALACE EASI-MAT is a dual sided fleece coated fabric designed to provide an isolating layer when tiling onto floors to protect against the following substrate problems. It provides tension reduction under ceramic and natural stone and inhibits the transfer of shear and tensile stresses from the substrate to the tiled top surface. The fabric can readily be cut and is simple to install. **PALACE EASI-MAT** is only 0.7mm thick and is an ideal where retention of the lowest possible floor construction height is a necessary part of the final floor specification. **PALACE EASI-MAT** offers distinct benefits by overcoming the following flooring issues which can affect the long-term durability of a tiled surface:

- It overcomes potential substrate movement which can occur on recently-laid sand & cement screeds or over recently laid concrete, where significant levels of moisture remain where tiles are due to be fixed.
- Where the effects of humidity and/or temperature fluctuation are likely; especially on plywood / timber floors or where under-tile heating is specified.
- Isolates any shrinkage or expansion in the substrate likely to cause stress that could transfer through to the tiled surface, causing it to de-bond.

All types movement, whether shrinkage or expansion, can cause stress leading to cracking transferring through to the tiled surface. **PALACE EASI-MAT** helps to prevent lateral stresses from transferring through to the tiled layer by discharging them evenly over the floor area, whilst also demonstrating its' capability to bridge cracks in masonry floors & joints between boards of up to 2mm wide.

Preparation of the receiving substrate:

The substrate on to which **PALACE EASI-MAT** is laid must be clean, firm and free of dust, dirt, oil, grease and loose flaking coatings. It must also be structurally sound and strong enough to support the expected traffic loading. Residual moisture content should be checked and confirmed that cement screeds are <2.0% whilst anhydrite should be less than 0.5% residual moisture content. Depressions holes and cavities, as well as any unevenness, must be repaired and where necessary levelled out to SR1 standard with mineral fillers & smoothing underlayments. On porous or worn substrates such as old sand cement or anhydrite screeds an application of **PALACE MULTI-PRIME** diluted as 1 part to 3 parts with water and brushed on as a generous single coat is advised.

Internal wet surfaces such as those found in showers, pools & wet-rooms can be prepared using **PALACE WET-ROOM** tanking membrane applied as directed onto the prepared base substrate before then laying the mat over it. Do not install & tile over **PALACE EASI-MAT** when the temperature is at 5°C or greater than 35°C at any time during the first 24 hours after application.

Application:

Roll out the **PALACE EASI-MAT** from the corner and cut it precisely to the required length with a sharp knife or scissors to the required lengths for the floor, using the same implements to neatly cut away any excesses around pipes, upstands or recesses

Apply a thin bed of a suitable C2 adhesive such as **PALACE MULTI-FLEX / TRADEFLEX** adhesive using a fine 4mm mosaic type notched trowel to fix **PALACE EASI-MAT** over the substrate to be tiled. Then carefully Roll back out and lay the pre-cut section of **PALACE EASI-MAT** into the freshly applied bed of notched tile adhesive, always ensuring that the mat is fully bedded into the adhesive without any folds, creases or air pockets and a flat bond is secured within the open-time of the adhesive. If it has started to skin or set, remove this layer of adhesive and re-apply a fresh layer. Finally, always check to ensure full adhesion is achieved between the **PALACE EASI-MAT** and the adhesive bed by smoothing out the matting using a flat edged steel trowel or float to completely eliminate all air pockets. When fixing tile and stone over **PALACE EASI-MAT** always use a C2 rated flexible adhesive.

Coverage:

The coverage achieved by **PALACE EASI-MAT** depends upon the complexity of the floor layout and the degree of cutting required however in general this should be worked out as **1.08m per linear metre** allowing for the overlap allowance shown on the mat.

Technical summary:

Working temperature:	from +5°C
Layer thickness:	0.70 mm
Width:	1 metre
Roll length: 30 m	30 metres
Roll weight:	2.5kg (~85 g/m)
Tensile strength, lateral:	407 N/5cm
Tensile strength, lengthwise:	503 N/5cm
Elongation, lateral direction:	33%
Elongation, lengthwise direction:	40%

Storage & Packaging:

PALACE EASI-MAT is supplied in an outer sealed carton as a 30-metre length by 1 metre wide roll and has a storage life of not less than 36 months if stored in dry, un-opened conditions. It is supplied as 1 x 30m roll per box and 28 boxes of 30m length per pallet.

Precaution:

PALACE EASI-MAT must always be fitted beneath a bonded layer of tile or stone and should never be left open to foot traffic for any prolonged period of time, nor should it be considered a "bridge" across any structural movement joints, which must be carried through to the tiled finish.

EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



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