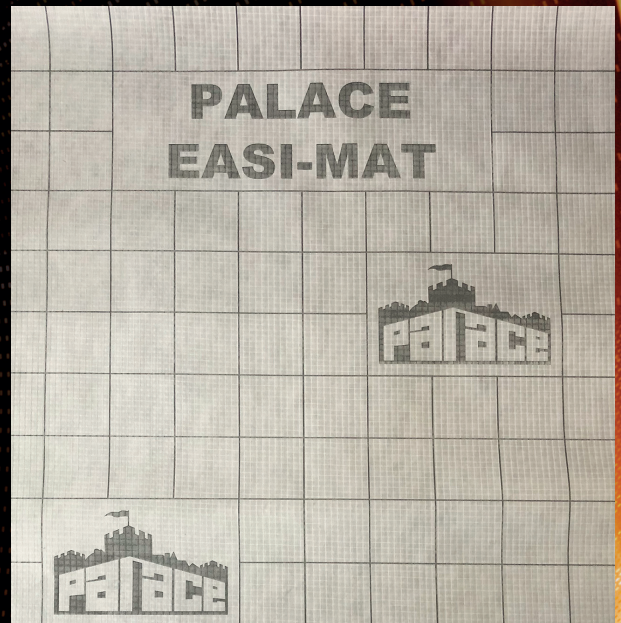


Ver 03 - PALEM 21.07.21

# EASI-MAT

## THIN LAYERED UNCOUPLING MAT FOR INTERNAL FLOORS

- PROTECTS TILING FROM LATERAL MOVEMENT & STRESS
- SUITABLE IN BATHROOMS AND KITCHENS
- CAN BE INSTALLED WITHIN HEATED SUB-FLOORS
- CONTAINS CRACK BRIDGING PROPERTIES
- EASY TO CUT AND PLACE



### TECHNICAL SUMMARY

WORK TEMPERATURE	from +5°C
LAYER THICKNESS	0.70mm
WIDTH	1 meter
ROLL LENGTH COMPOSITION	30 meters
ROLL WEIGHT	2.5kg (~85g/m)
TENSILE STRENGTH - LATERAL	407 N/5cm
TENSILE STRENGTH - LENGTHWISE	503 N/5cm
ELONGATION - LATERAL DIRECTION	33%
ELONGATION - LENGTHWISE DIRECTION	40%

### PALACE EASI-MAT

Is a dual sided fleece coated fabric designed to provide an isolating layer when tiling onto floors. 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.

EASY TO  
INSTALL

PROTECTS TILING FROM  
LATERAL MOVEMENT

# EASI-MAT

## Thin Layered Uncoupling Mat for Internal Floors



### 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.

### SURFACE PREPARATION

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 underlayment's. 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 METHOD

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.

### 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.

### 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.



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

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# EASI-MAT

## Thin Layered Uncoupling Mat for Internal Floors



### STORAGE AND 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.

### HEALTH AND SAFETY

Always ensure that appropriate PPE is worn when mixing & applying this product to ensure protection from airborne dust and skin contact with the mixed liquid product. Wash hands after use and launder stained clothing. Do not consume food when working with this material and keep children & animals away from any possible risk of contact. A complete PALACE material safety data sheet is available on request or online at [www.palacechemicals.co.uk](http://www.palacechemicals.co.uk)

### QUALITY AND ENVIRONMENT

All Palace Chemicals products are manufactured under a BSI accredited ISO 9001:2015 Quality Management System, along with an ISO 14001 Environmental Management system continually working to reduce our carbon footprint by developing products such as this which have a lower environmental impact.

### TECHNICAL ADVISORY SERVICE

Should more specific technical information be required, contact the Palace Technical helpline on: **0151 486 6101**.

For a Technical Specification and quantity requirements, visit our 'TilingSpecifier' on the Palace website at:

<http://www.palacechemicals.co.uk>

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