TECHNICAL DATA SHEET
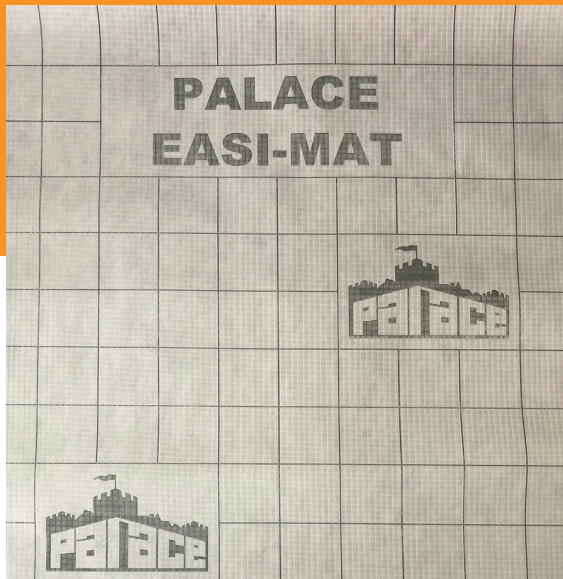
EASI-MAT
THIN LAYERED UNCOUPLING MAT FOR INTERNAL FLOORS

- **Protects tiling from lateral movement & stress**
- **Suitable for use in bathrooms and kitchens**
- **Can be installed within heated sub-floors**
- **Contains crack bridging properties**
- **Easy to cut and place**

DESCRIPTION

PALACE EASI-MAT is a three ply fleece mat, designed to provide an isolating & protective layer when tiling onto floors. It provides tension reduction under the tile installation. Inhibits the transfer of shear and tensile stresses from the substrate to the tiled surface above. The fabric can easily be cut and is simple to install. **PALACE EASI-MAT** is 0.7mm thick and is 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 flooring issues which can affect the long-term durability of a tiled surface. All types of movement, whether shrinkage or expansion can cause stress leading to cracks 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. **PALACE EASI-MAT** can also bridge gaps in masonry floors & joints between boards of up to 2mm wide.

TECHNICAL DATA

ROLL LENGTH	30 metres
ROLL WIDTH	1 metre
ROLL WEIGHT	2.5kg (~85g/m)
LAYER THICKNESS	0.7mm
TENSILE STRENGTH - LATERAL	407 N/5cm
TENSILE STRENGTH - LENGTHWISE	503 N/5cm
ELONGATION - LATERAL DIRECTION	33%
ELONGATION - LENGTHWISE DIRECTION	40%

* Dependent on temperature, substrate and site conditions

EN ISO 45001 — OHS 596309
EN ISO 14001 — EMS 85788
EN ISO 9001 — FM 01010

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SURFACE PREPARATION

The substrate 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 1:3 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 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 / TRADE-FLEX** 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.

PRECAUTIONS

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.

STORAGE

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 & SAFETY

Always ensure that appropriate PPE & overalls are worn when applying this product. Wash hands after use and launder stained clothing. A complete PALACE material safety data sheet is available on request or online at www.palacechemicals.co.uk

TECHNICAL ADVICE

For advice on tile installation products call the Palace Chemicals Technical Helpline on 0151 336 9104.

QUALITY & 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.

DISCLAIMER

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate. Our products are guaranteed against defective materials and manufacture and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept responsibility arising from the application or use of our products because we have no direct or control over where and how our products are stored and used. All products are sold and guaranteed subject to our terms and conditions of sale, copies of which may be obtained on request.

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