

Mapelay

PVC waterproofing and isolating sheet, for internal laying of resilient and carpet flooring on cracked or particularly dirty or damp or subject to rising damp substrates



WHERE TO USE

Laying, floating resilient floorings (if dimensionally stable) and carpet floorings on cracked or dirty or damp substrates or substrates subject to rising damp. Temporary protection of floors that must not be damaged so they may be used again a later date.

Some application examples

- Laying resilient or carpet floorings on screeds which are not completely dry or which are subject to rising damp.
- Laying resilient floorings on old industrial floors where the screed is impregnated with oil or waste process material, which proves difficult to remove.
- Laying resilient or carpet floorings on cracked screeds, where it is not possible to repair the cracks because they may be subject to movement.
- To temporarily protect all types of new floors while normal site operations are being carried out.
- Laying a temporary playing surface in areas where the old flooring needs to be used again immediately after an event (e.g. sports arenas).
- Laying resilient or carpet floorings for a set time to avoid damaging the underlying floor in marble, wood, rubber, etc.
- Confining and neutralising vinyl-asbestos floor coverings by overlaying with new floor coverings in carpet, rubber or PVC (after application of the **Aquaflex System**).

TECHNICAL CHARACTERISTICS

Mapelay is a very stable support material in PVC reinforced with fibreglass. It is 1.5 mm thick and is available in rolls 25 m long and 2 m wide, weighing approximately 1.5 kg/m². The position and shape of the special dimples on the underside allow the air to move around constantly.

Mapelay is extremely flexible and will adapt perfectly to the underlying substrate, it is easy to cut, does not absorb damp, is perfectly stable and is practically impervious to changes in temperature. **Mapelay** also improves the thermal insulation and soundproofing characteristics of the substrate on which is laid.

Mapelay is dimensionally stable; floor coverings bonded to it remain stable over long periods of time (as long as the floor covering itself is not subject to excessive movement) and will support any kind of traffic, except vehicles and other heavy traffic.

Mapelay may be removed together with the floor covering (if it is flexible enough) and rolled up to leave the substrate in its original condition without having to carry out any special cleaning operations.

RECOMMENDATIONS

- Contact the producer of the floor covering to verify that the system is suitable.
- **Mapelay** is a poor conductor of heat and is not suitable, therefore, for laying on heated screeds, even though it is not subject to significant dimensional variations.

Mapelay



Laying Mapelay and formation of a 5-10 mm joint in correspondence with the constraints of the floor



Overlapping adjacent sheets of Mapelay



Cutting the joint between sheets of Mapelay

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

| | |
|---|------------|
| Length (m): | 25 |
| Width (m): | 2 |
| Thickness (mm): | 1.5 |
| Weight per surface unit (kg/m ²): | 1.5 |
| Weight of roll (including packaging) (kg): | approx. 75 |
| Colour: | anthracite |

RECOMMENDED ADHESIVES FOR LAYING ON MAPELAY

| FLOOR COVERING | ADHESIVE | TROWEL | WAITING TIME | STEP-ON TIME |
|---------------------|---|----------------------|--------------------------------------|----------------------------------|
| Rubber | Adesilex G19-G20 Adesilex G19 Fast-G20 Fast | Mapei n° 1 | immediately | after 24 hours after 12 hours |
| PVC | Adesilex G19-G20 Adesilex G19 Fast-G20 Fast | Mapei n° 1 | immediately | after 24 hours after 12 hours |
| PVC (light traffic) | Ultrabond Eco V4 SP | Mapei n° 1 | 30'-60' | after 24 hours |
| Linoleum | Adesilex G19-G20 Adesilex G19 Fast-G20 Fast | Mapei n° 1 | immediately | after 24 hours after 12 hours |
| Carpet | Ultrabond Eco V4 SP, Rollcoll Ultrabond Eco 170 | Mapei n° 1 | 10'-15' | after 24 hours |
| Needlefelt | Aquacol T, Ultrabond Eco V4 SP Ultrabond Eco 170 | Mapei n° 1 | 10'-15' | after 24 hours |
| Self-laying | Ultrabond Eco Fix Ultrabond Eco Tack | Mapei n° 1 Roller | transparent film transparent film | after 24 hours |

Please refer to the technical data sheets for each Mapei adhesive for further information regarding the preparation and application of the product.

NB: The guidelines illustrated above are the result of testing and applications carried out on Mapelay with the exclusive use of Mapei adhesives. If in doubt, check with the manufacturer of the floor covering and Mapei Technical Assistance Department that the system is suitable.

- **Mapelay** is not suitable for outdoor applications.
- Do not use **Mapelay** in areas subject to heavy traffic, for example cars or fork-lift trucks.
- Do not lay **Mapelay** if the temperature is lower than +15°C.
- Do not bond **Mapelay** to the substrate.
- Do not place **Mapelay** in direct contact with perimeter walls.
- Anhydrite screeds or gypsum-based smoothing compounds must be perfectly dry before laying **Mapelay**.

HOW TO USE

Preparation of the substrate

Cementitious screeds must be stable, sound, relatively flat and free of loose and

irregular parts. Substances which are liable to ferment or give off unpleasant odours in the presence of damp must be eliminated before application.

Any cracks which are present in the substrate must not form steps or gaps, and must not be larger than 3 mm. Existing wood, ceramic, natural stone floors etc. must be well bonded to the substrate. To level cementitious screeds which are still damp or which are subject to rising damp, use **Adesilex P4**, **Planex HR** or **Planex HR Maxi**.

If they are dry, uneven cementitious screeds or ceramic surfaces with large joints may be smoothed off and repaired with a suitable MAPEI product (refer to the general products catalogue).

Laying Mapelay

Before laying the floor covering, make sure that the **Mapelay**, the floor and the room

or area involved are at the temperature recommended by the manufacturer. The temperature must not be lower than +15°C. **Mapelay** and the floor covering to be laid must be removed from their packaging a few hours before laying. The sheets must be loosely laid out and lined up in the same direction in which they are to be laid. The joints between the sheets of **Mapelay** and the joints in the flooring (PVC, rubber, etc.) must not coincide (overlap by at least 10-20 cm).

Leave an isolating joint of 5-10 mm between the sheets of **Mapelay** and the perimeter walls or columns. Adjacent sheets of **Mapelay** must overlap by approximately 10 mm. The sheets must be cut and trimmed while carrying out the final laying operations. Make sure that the sheets of **Mapelay** do not move while carrying out this operation.

When laying **Mapelay**, it is necessary to stagger the head joints of the sheets.

If a water dispersion adhesive is used, we recommend the application of a 10 mm wide self-bonding waterproofing tape over the joints between the sheets of **Mapelay**.

Laying the floor covering

Rubber, PVC, linoleum and carpet flooring must be laid so that their joints do not coincide with those in the sheets of **Mapelay**. They must be staggered by at least 10-20 cm, and there must also be a gap of 5-10 mm between the floor covering and the walls and columns. The floor covering must be laid according to the recommendations of the manufacturer. The adhesive must be applied uniformly with a MAPEI N°1 notched trowel. Make sure that the adhesive does not accumulate, and that the quantity applied is 250-300 g/m².

The most suitable adhesive for laying rubber, PVC or linoleum floorings is **Adesilex G20** or **Adesilex G19**, according to the thickness and the type of backing on the floor covering. Carpet and nonwoven floorings may be laid with any one of the suitable adhesives (refer to the table).

To make sure that a good bond is obtained and to eliminate any air bubbles, rub down well the floor covering with a smooth trowel, working from the middle towards the outside. Do not use a roller. Do not kneel directly on the floor when rubbing down the sheets (use pieces of polystyrene or plywood).

Cleaning

Clean traces of adhesive from the surface of the floor covering before it starts to set (while still fresh). Use ethanol to remove

Adesilex G20 or **Adesilex G19**, or water for water dispersion adhesives.

PACKAGING

25 m rolls. Weight of roll: approx. 75 kg.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

According to current European Regulations (Reg. 1906/2007/CE - REACH) **Mapelay** is a product that does not require a Material Safety Data Sheet.

When using this product we recommend wearing gloves and safety goggles and to follow the safety procedures applied in the area where work is being carried out. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the **Technical Data Sheet**, available from our website www.mapei.com

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com. ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.

All relevant references for the product are available upon request and from www.mapei.com



Removal of the cutted portion of Mapelay



Laying rubber floor covering on Mapelay sheets using Adesilex G19. N.B. The joints between the sheets of rubber floorings are staggered with respect to the joints in the sheets of Mapelay



Smoothing the floor; avoid imprints by kneeling on a rigid panel

Mapelay



*Tiled floor laid on
Mapelay*

