



# Mapecomfort FL

**4 mm thick mat made from recycled rubber granules for the flooring systems Mapefloor Comfort System AL/X and Mapefloor Comfort System AR/X**



## WHERE TO USE

**Mapecomfort FL** is used for the **Mapefloor Comfort System AL/X** and **Mapefloor Comfort System AR/X** elastic and flexible polyurethane systems when creating civil floors for the service sector characterised by a high level of comfort underfoot, good soundproofing properties to combat the sound of footsteps and good reduction of noise transmission.

## TECHNICAL CHARACTERISTICS

**Mapecomfort FL** is made from engineered rubber granules bound together with high quality polyurethane resin. Using this mat gives the **Mapefloor Comfort System AL/X** and **Mapefloor Comfort System AR/X** flooring systems a high level of comfort underfoot and good soundproofing capacity against impact noise.

## RECOMMENDATIONS

Do not apply **Mapecomfort FL** on:

- dusty, crumbling or weak surfaces;
- substrates with oil or grease stains or stains in general;
- flooring used by heavy-goods;
- substrates with capillary rising damp;
- surfaces that have not been prepared beforehand with special **Mapefloor Pore Filler** adhesive.

## APPLICATION PROCEDURE

### Preparation of concrete substrates

Cementitious substrates must be dry, fully cured and stable, their compressive strength must be at least  $25 \text{ N/mm}^2$  and their tensile strength must be at least  $1.5 \text{ N/mm}^2$ ; in all cases, the mechanical characteristics of the substrate must be suitable for the specified type of use. Remove all loose or crumbling areas with power tools. The surface of ceramic or natural stone substrates must be roughened and all traces of enamel paint and polish must be removed with a diamond grinding disk or by shot blasting.

Any cracks or uneven areas in the surface must be repaired by filling them with **Primer SN** or **Mapefloor I 300 SL**. Repair large areas of damaged concrete with **Mapefloor EP19** epoxy mortar. Before laying and bonding **Mapecomfort FL**, remove all traces of dust from the surface of the substrate with a vacuum cleaner.

### Preparation of the product

Open the rolls of **Mapecomfort FL** and lay them over the surface to be covered at least one day before bonding them in place so they become acclimatised to the surrounding conditions and lose the rounded shape they acquired while rolled up.

### Application of the product

**Mapecomfort FL** must be fully-bonded to the substrate using specific **Mapefloor Pore Filler**

**TECHNICAL DATA (typical values)****PRODUCT IDENTITY**

|  |               |
|--|---------------|
| <b>Weight (kg/m<sup>2</sup>):</b>            | 3.0           |
| <b>Dynamic stiffness (MN/m<sup>2</sup>):</b> | 66            |
| <b>Tensile strength (KPa):</b>               | 470           |
| <b>Recycled materials (%):</b>               | 100           |
| <b>Density of rubber (kg/m<sup>3</sup>):</b> | 750           |
| <b>Elongation at failure (%):</b>            | 41            |
| <b>Resistance to heat:</b>                   | up to +80°C   |
| <b>Resistance to cold:</b>                   | down to -30°C |

polyurethane adhesive. When bonding the sheets of mat to the substrate, make sure the rolls are butted tightly against each other and there are no gaps left between them. Cut **Mapecomfort FL** to shape around any vertical surface leaving a gap of 1 cm. Once **Mapecomfort FL** has been laid out on the fresh **Mapefloor Pore Filler** in the position required, it is recommended to go over the surface with a lawn roller to make sure the mat is firmly bonded to the substrate.

Once the adhesive has set, skim the surface of the **Mapecomfort FL** mat down to a feather edge with **Mapefloor Pore Filler** to fill all the pores. Apply the filler with a straight trowel, making sure the joints between the rolls and the gaps between the rolls of mat and any vertical features are completely filled. When the skim coat has set, check the surface carefully to make sure there are no open pores. If there are any open pores, skim over them again with **Mapefloor Pore Filler**.

Any localised defects such as blisters, raised areas or overlaps at the edges of the rolls, etc. must be removed with a special cutter and the gaps that are left, and any hollows or thin areas, must be grouted and filled with **Mapefloor Pore Filler**.

See the relative Technical Data Sheet for information on how to use **Mapefloor Pore Filler** correctly.

**WARNING**

Do not bond the sheets if the temperature is lower than +10°C or higher than +30°C or if the level of air humidity is more than 85%.

Prevent the surface getting wet for at least 24 hours after bonding the sheets.

**PACKAGING**

**Mapecomfort FL** is 4 mm thick and is supplied in rolls one metre wide by 20 metres long.

**SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION**

**Mapecomfort FL** is an article that, according to current European Regulations (Reg. (EC) 1906/2007 - REACH), does not require a Safety Data Sheet. When using this product it is recommended to wear gloves and safety goggles and to follow the safety guidelines for the area in which work is carried out.

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](http://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 force at the time of the MAPEI product installation. The most up-to-date TDS can be downloaded from our website [www.mapei.com](http://www.mapei.com).***

***ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.***

**All relevant references  
for the product are available  
upon request and from  
[www.mapei.com](http://www.mapei.com)**

