

# Mapesonic CR Mapesilent®

**SOUNDPROOFING SOLUTIONS  
AGAINST THE NOISE OF FOOTSTEPS**



The joy of **silence**, experience  
the true meaning of wellbeing



# Mapesonic CR





grout

**Ultracolor Plus**



porcelain tiles

adhesive

**Granirapid**



soundproofing membrane

**Mapesonic CR**



adhesive

**Ultrabond Eco V4 SP**



cementitious screed



**MAPEI**

## Under-floor soundproofing system with a very low emission level of volatile organic compounds (EC1 PLUS) for rapid soundproofing work.

**Mapesonic CR** is an innovative, high-performance system in sheets made from cork granules and recycled rubber.

### Where to use

Soundproofing to combat the noise of footsteps on old floors.

**Mapesonic CR** may be applied on top of cementitious substrates or old ceramic and natural stone floors before laying ceramic, stone, multi-layer parquet and resilient flooring.

### Advantages

- efficient reduction of noise from footsteps
- may be applied on old floors
- quick, easy installation
- low thickness
- may be used directly below new flooring
- may be applied on heated floors
- certified system
- very low emission level of volatile organic compounds (EC1 PLUS according to GEV-EMICODE)

### TECHNICAL DATA

Thickness:	2 mm	4 mm
Weight:	1.36 kg/m <sup>2</sup>	2.70 kg/m <sup>2</sup>
Length:	30 m	20 m
Width:	1 m	1m
Thermal resistance R:	0.024 m <sup>2</sup> K/W	0.048 m <sup>2</sup> K/W
Material:	recomposed cork and rubber with polyurethane binder	
Packaging:	rolls	
EMICODE:	EC1 PLUS - very low emission	
Elongation at failure: EN ISO 1798:	20%	
Tensile strength EN ISO 1798:	0.6 N/mm <sup>2</sup>	
Reduction of noise from footsteps (ΔLw) EN ISO 140-8:	17 dB* *n° KB-050107K TS - <b>Mapesonic CR</b> 2mm + parquet *n° KB-050107I TS - <b>Mapesonic CR</b> 2mm + ceramic	

## 1<sup>st</sup> DAY



Application of **Mapesonic Strip** around the perimeter and spreading **Ultrabond Eco V4 SP** on absorbent substrates or **Ultrabond Eco S995 1K** on old tiles



Rolling out and massaging rolls of **Mapesonic CR**.

## 2<sup>nd</sup> DAY



Spreading **Elastorapid** to bond ceramic and stone



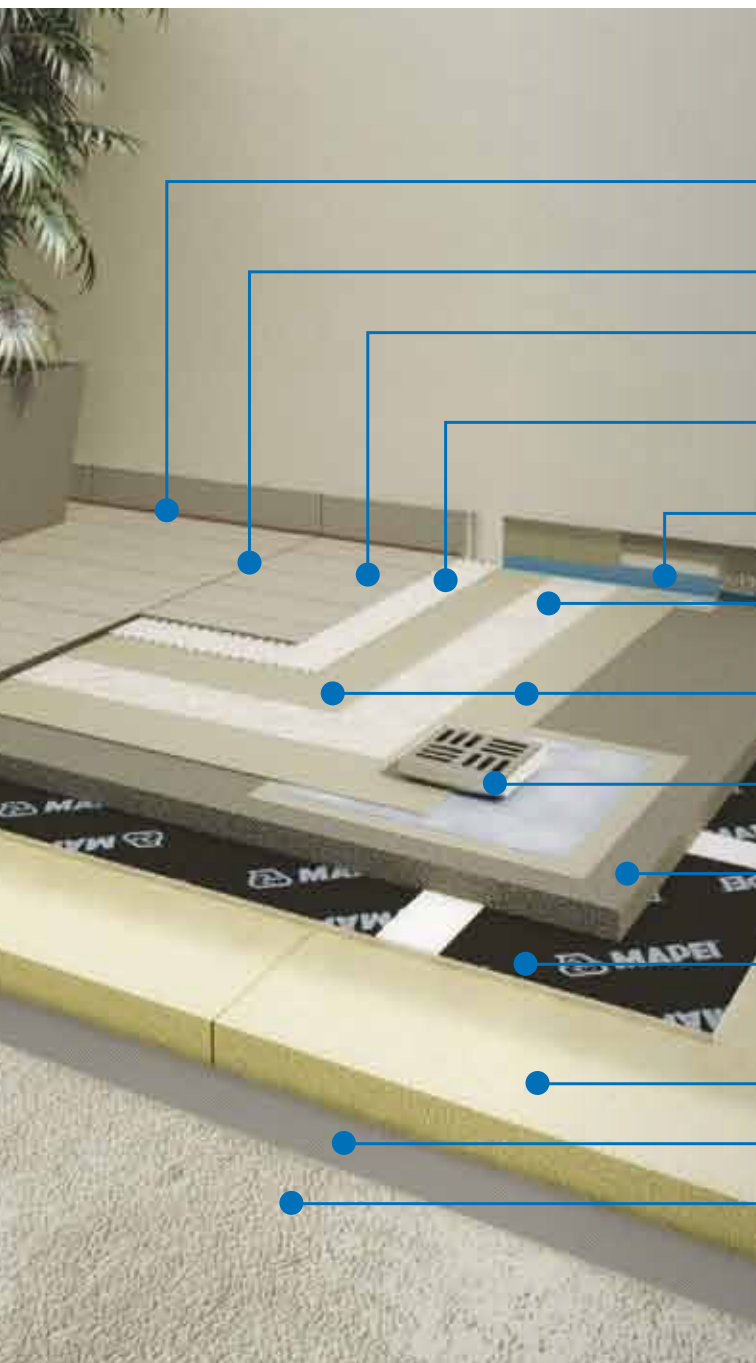
After 4 hours, grouting ceramic flooring with **Ultracolor Plus** and trimming **Mapesonic Strip**



After 3 hours, application of skirting and sealing the perimeter of ceramic flooring with **Mapesil AC**.

# Mapesilent®

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sealant

**Mapesil AC**



ISO 11600 F 25 LM,  
DIN 18540, ASTM C 920

grout

**Keracolor GG**



porcelain tiles

adhesive

**Keraflex Maxi S1**



rubber tape

**Mapeband**

polypropylene fabric

**Mapetex Sel**

waterproof

(2 mani) **Mapelastic Smart**



floor-drain

**Drain Vertical**

screed

**Topcem Pronto**



soundproofing panel

**Mapesilent Panel**

separating layer

insulating panel

vapour barrier

concrete substrate

# Mapesilent®

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## Soundproofing system in sheets and panels for floating screeds.

**Mapesilent** is a modular high-performance system comprising an elasto-plastomeric polymer bitumen membrane joined to a polyester fibre backing available in rolls and panels.

### Where to use

Soundproofing against the noise of footsteps for all types of floor slab for floating screeds, for laying any type of flooring which meets the local requirements.

### Advantages

- complete system with all accessories
- high performance
- quick, easy installation
- available in 5 different configurations
- resistant to impact and footsteps on site
- waterproof against accidental leaks and spillages
- may be designed using Data Mapesilent software
- certified system

## Laying Mapesilent Roll



Laying rolls of **Mapesilent Roll** and sealing the overlaps using **Mapesilent Tape**



Application of **Mapesilent Band R** (or **Mapesilent Band**) around the perimeter and sealing all the joints using **Mapesilent Tape**



## Certificates:

issued by the I.N.R.I.M. Institute: R.P. n° 09-0124-02/2009

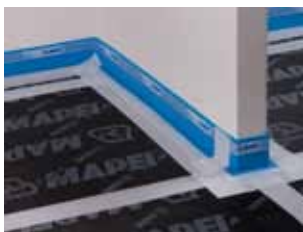
R.P. n° 09-0125-01/2009, R.P. n° 09-0125-02/2009

Issued by the Giordano Institute: R.C. n° 256817/2009

## Laying Mapesilent Panel



Installing **Mapesilent Panel** and sealing the joints using **Mapesilent Tape**



Application of **Mapesilent Band R** (or **Mapesilent Band**) around the perimeter and sealing all the joints using **Mapesilent Tape**

## Laying the screed and flooring



Installation of the screed followed by laying and grouting the flooring



Trimming **Mapesilent Band R**. Applying and sealing the skirting boards

## TECHNICAL DATA

### Mapesilent Roll

Format:	10x1.05 m sheets
Thickness EN 29073-2:	8 mm (before joining)
Weight:	1.8 kg/m <sup>2</sup>
Thermal resistance R:	0.145 m <sup>2</sup> K/W
Apparent dynamic stiffness (S' <sub>p</sub> ):	15 MN/m <sup>3</sup>
Real dynamic stiffness (S'):	47 MN/m <sup>3</sup>
Reduction of noise from footsteps (ΔLw) EN ISO 140-8:	21 dB (laboratory tests)
Reduction of noise from footsteps (ΔLw) in service:	>30 dB (service tests)

## TECHNICAL DATA

### Mapesilent Panel

Format:	1x1 m panels
Thickness EN 29073-2:	13 mm (before joining)
Weight:	5.0 kg/m <sup>2</sup>
Thermal resistance R:	0.313 m <sup>2</sup> K/W
Apparent dynamic stiffness (S' <sub>p</sub> ):	10 MN/m <sup>3</sup>
Real dynamic stiffness (S'):	21 MN/m <sup>3</sup>
Reduction of noise from footsteps (ΔLw) EN ISO 140-8:	24 dB (laboratory tests)
Reduction of noise from footsteps (ΔLw) in service:	>30 dB (service tests)

# Mapesonic CR



- Mapesonic CR
- Mapesonic Strip
- Ultrabond Eco V4SP
- Elastorapid
- Ultrabond Eco S 955 1K
- Ultracolor Plus
- Mapesil AC



# Mapesilent®

- Mapesilent Roll
- Mapesilent Panel
- Mapesilent Band R
- Mapesilent Band
- Mapesilent Door
- Mapesilent Tape



	<b>PRODUCTS FOR CERAMICS AND STONE MATERIALS</b>
	<b>PRODUCTS FOR RESILIENT AND TEXTILE MATERIALS</b>
	<b>PRODUCTS FOR WOODEN FLOORING</b>
	<b>PRODUCTS FOR CEMENTITIOUS AND RESIN FLOORING</b>
	<b>PRODUCTS FOR ACOUSTIC INSULATION</b>
	<b>PRODUCTS FOR BUILDING</b>
	<b>ADMIXTURES FOR CONCRETE</b>
	<b>PRODUCTS FOR STRUCTURAL STRENGTHENING</b>
	<b>PRODUCTS FOR THE REPAIR OF MASONRY</b>
	<b>PRODUCTS FOR THERMAL INSULATION</b>
	<b>WALL PROTECTIVE AND DECORATIVE COATINGS</b>
	<b>PRODUCTS FOR WATERPROOFING</b>
	<b>PRODUCTS FOR UNDERGROUND CONSTRUCTIONS</b>
	<b>ELASTIC SEALANTS AND ADHESIVES</b>
	<b>GRINDING AIDS FOR CEMENT</b>

## **HEADQUARTERS**

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