

# Elastilon<sup>®</sup>

**relmat**  
Reliable Material

## Helps to produce...



## ...perfect floors

- A perfect solution to the age old problem of contraction and expansion, which is highly met in the cases of subfloor heating
- Certified thermal conductivity suitable for subfloor heating
- Emission free
- Extremely quiet and comfortable to walk on
- Seals hermetically the underside of the boards (no cupping)
- Fast installation with lower cost in comparison to the glued floor with the use of adhesives



## Ideal for subfloor heating!

# Elastilon®



## ■ What is it?

Elastilon is a worldwide patented underlay, made of a special polyethylene mix, with a layer of acrylic glue on its top side, on which the parquets are glued.

With this system, the installation is done without the use of glues or nails, thus making the whole procedure very fast and easy.

## ■ How does it work?

The idea is the following:

The wooden parquets are glued on an elastic, adhesive underlay, which keeps them together due to its tensing properties. With this strong contact adhesion and continuous tension, the floorboards can contract and expand with virtually seamless joints.

Due to its characteristics, Elastilon forms the perfect underlay for wooden floors, given that it provides perfect sound insulation, excellent acoustic and unique aesthetic result with virtually no seams on the floor.

## ■ Elastilon and Subfloor heating

Subfloor heating is a rather new technology for central indoor heating, which becomes increasingly popular in the modern constructions.

One of the major problems that the engineers and the architects have to face is the application of wooden parquets on top of the subfloor heating.

The most typical problems have to do with the gap between the seams, the detachment from the cement screed, the thermal resistance of the underlayer, the denaturation of the underlayer etc.

Due to its unique properties, Elastilon is the only certified product which gives solutions to all these problems.



ELASTILON is offered by RELMAT in two different types:



## ELASTILON STRONG

Underlay with an adhesive tape on the top layer, on which the wooden parquets are glued. Thickness is 3 mm and the density 50kg/m<sup>3</sup>. It can be used as underlay in apartments or commercial areas, covering at the same time the need for sound insulation.

Suitable for:

- o all types of solid wood (except for beech)
- o all types of multi-layer floors



## ELASTILON LOCK

Underlay with an adhesive tape on both sides. Wooden parquets are glued on the top side, while the underside is glued on the cement screed, or any other dry, flat and even surface. This structure creates a monolithic system between the cement screed and the parquet. Elastilon Lock has 2mm thickness and 50kg/m<sup>3</sup> density. The differentiation of this product relates to the fact that it does not allow the floor to move, due to the strong adhesion from both sides. This is the reason why it is only suitable for very stable floors. Elastilon Lock offers perfect sound insulation.

Suitable for:

- o all types of multi-layer floors

### TECHNICAL CHARACTERISTICS

Material:	PE Foam
Density:	50 kg / m <sup>3</sup>
Tensile strength (longitudal):	0,60 N / mm <sup>2</sup>
Elongation (longitudal):	160%
Service temperature:	- 80°C / +100° C
Thermal resistance:	R ≤ 0,15 (m K) / W

### ROLL DIMENSIONS (TxWxL)

m <sup>2</sup> / roll: 15,3	
ELASTILON® STRONG	3mm x 1m x 15,3m
ELASTILON® LOCK	2mm x 1m x 15,3m

(Suitable for subfloor heating according to the directive of the Federal Panel Heating Association)

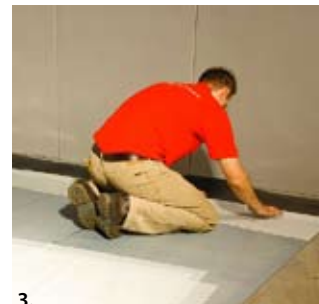
# Elastilon® Installation Instructions



1.  
In case of excessive moisture apply a polyethylene moisture barrier on the subfloor with an overlap of 20cm to 25cm.



2.  
Roll out and apply ELASTILON over the polyethylene in rows next to each other, with the protective foil facing up. Do not overlap.



3.  
Fold back the protective foil of the adhesive layer over a width of one or two boards. The adhesive layer is now exposed.



4.  
Carefully place the spare film onto the exposed adhesive layer with the fold facing the wall.



5.  
The first parquet section or board is now positioned on the spare film. Place spacers between the wall and the parquet flooring.



6.  
The second parquet section is pushed into the first until it locks tightly; following this, the spare film between Elastilon and the parquet boards is removed. From now on, work is carried out with the actual protective layer of Elastilon.

From here onwards, several rows can be positioned seamlessly before the protective layer between the wood and the Elastilon is removed.

**Exclusive distributed in Greece by RELMAT S.A.**

**RELMAT A.E.**

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