



# Underfloor line

## GREENPLATT

Top of the range of underfloor line

### ADVANTAGES

- Suitable for ceramic or wood floors
- Suitable for dry substrates
- Suitable for floating floors
- Suitable for stairs



French VOC Regulation



Indoor Air Comfort Gold

### DESCRIPTION

Acoustic coating for underfloor systems and/or sound-insulating dry sheets, 4 mm thick and 650 gr/m<sup>2</sup> weight obtained by carding, needle-like and heat-sealing polyester fibres, 60% of which are post-consumer. Product covered by eco-toxicological certification Oeko-tex standard 100, class 1 and GRS certification.

### SIZE

Thickness	mm	4 mm
Format	Roll	1,00 x 15 m
Packaging	Pallet	120 mq
Weight	Kg/mq	0,65 kg/mq



## TECHNICAL INFORMATION

Thermal conductivity	UNI EN 12667	0,038 W/mK
Specific thermal resistance [R]	UNI EN 12667	0,309 mq K/W
Oeko-tex Standard 100 certificate		Classe 1
GRS Certified		Classe 1
Emission of volatile organic compounds (TVOC)	UNI EN ISO 16000-9	Classe A+
Vapour resistance factor	UNI EN 12086	34
Equivalent air thickness	UNI EN 12086	0,14 m
Coefficient of refund	internal test	0,303

## ACOUSTIC DATA

TESTS FOR THE ISOLATION OF TREADING NOISE ACCORDING TO EN ISO 10140-3/ EN ISO 717-2  
on a standard floor

<b>Reduction of treading noise <math>\Delta L_w</math> (dB)</b>	with ceramic floor	18
	with wood floor glued	18

TESTING FOR THE ISOLATION OF TREAD NOISE ACCORDING TO EN ISO 16283-2/ EN ISO 717-2  
on 20+4 concrete-floor slab and sand-cement underlay

<b><math>L'_{nt,0,w}</math> (dB) Test on bare floor</b>		88
<b><math>L'_{nt,0,w}</math> (dB) Try with Greenplatt</b>	+ floating parquet	58
	+ glued tile	59
	+ Tecno Core and floating parquet	54
<b><math>\Delta L_{nt,w}</math> (dB) Improvement due to the system Greenplatt</b>	+ floating parquet	30
	+ glued tile	29
	+ Tecno Core and floating parquet	34



## DOP

POLYMAXITALIA SRL headquartered in Via Fusina no. 12 of Castelfranco Veneto, a company operating in the production and marketing of materials and systems for the acoustic insulation of buildings and subjected to quality control ISO 9001, with reference to European Regulation 305/2011 (ex Directive 89/106), regulating the performance of construction products, in force since 1 year. July 2013:

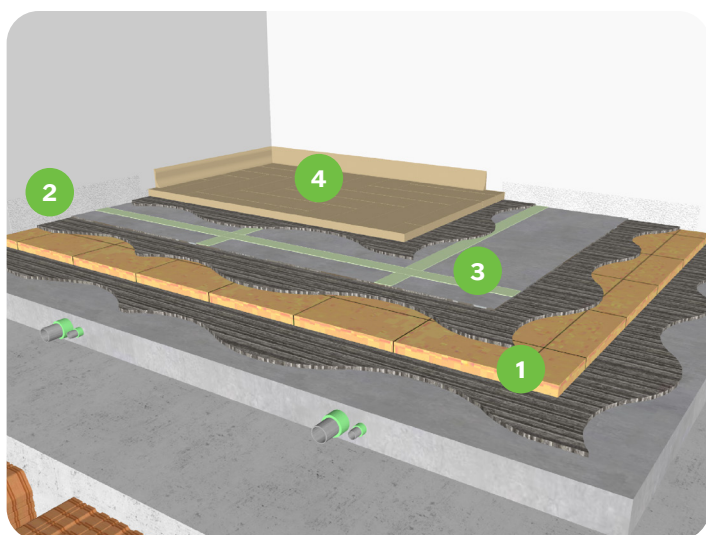
“in the absence of harmonised European standards for products with a sound insulation function, result in performance dependent not on the individual product but on a combination of components and the basic building system”,

DECLARES

than for the product GREENPLATT sp. 4 mm, is not bound to the certification process aimed at the production of the declaration of performance.

In this regard, the data reported in the relevant product fiche are authentic.

## LAYING SCHEME UNDER CERAMIC FLOORING/ PARQUET



### STRATIGRAPHY

- 1 Existing floor or pre-existing flooring
- 2 Perimeter band **ROTOCELL AD h 60 mm**
- 3 Acoustic **GREENPLATT** bonded with joints
- 3 Sealed with **ACOUSTAPE** band
- 4 Ceramic/parquet flooring + adhesive

## WARNINGS BEFORE INSTALLATION

- Use only on horizontal internal surfaces.
- Not suitable for use on surfaces exposed to weather and direct sunlight.
- Do not apply below industrial floors or finishes subject to high loads or stresses important mechanical factors.
- The **GREENPLATT** must always be laid with the help of **ROTOCELL AD** perimeter tape and joint tape **ACOUSTAPE**.
- For applications on cement screed check that the support is perfectly matured and free of roughness.
- For applications on existing floors, ensure that the floor is planar and in case of application to wet and dry, and to ensure the adhesion of the adhesive in case of wet application.
- Application prohibited on substrates deemed not suitable for laying a floor.
- The application on screeds or underlays subject to continuous rise of moisture is prohibited.



## ADHESIVES

### GREENPLATT on cement support or pre-existing floor with one of the following adhesives

	Average Pull off (Mpa)	Membership level
KERAFLEX MAXI S1 ZERO or similar	0,75	GREAT
ULTRALITE S1 FLEX ZERO or similar	0,45	GREAT
KERAQUICK MAXI S1 ZERO or similar	0,96	GREAT

### Ceramic floor/ stone on GREENPLATT with one of the following glues

	Peel average value (N/mm)	Membership level
KERAFLEX MAXI S1 ZERO or similar	5,00	GREAT
ULTRALITE S1 FLEX ZERO or similar	3,00	GREAT
KERAQUICK MAXI S1 ZERO or similar	4,2	GREAT

### GREENPLATT on cement support or pre-existing floor with:

	Average Pull off (Mpa)	Membership level
ULTRABOND ECO S948 1K or similar	1,20	GREAT

### Parquet floor on GREENPLATT with:

	Peel average value (N/mm)	Membership level
ULTRABOND ECO S948 1K or similar	3,20	GREAT

## REQUIREMENTS FOR CERAMIC FLOORING AND JOINTS

Format	All formats
Thickness	≥ 1,0 cm
Expenses escape	≥ 0,3 cm

Use a suitable filler mainly according to the intended use of the coating.  
It is recommended to follow the instructions of the best manufacturers of filler for joints.



## STEP 1: Preparation of the support

The GREENPLATT can be installed:

**on a concrete-based support** provided that it is matured, mechanically resistant, consistent, dry, planar, free of cracks and dust-free. Any cracks should be repaired as appropriate. In the presence of a very wet surface, wait for it to dry or make a suitable vapour barrier.

**on existing ceramic or stone floors** provided that they are well anchored to the support and their surface is adequately cleaned by “waterproof films” due to grease, oils, waxes, paints etc. To ensure better adhesion of the adhesive, it is recommended to treat the laying surface with a primer.

**on cement supports or existing floors partially interrupted by the presence of traces and piping systems** (electrical and hydraulic) provided that the plan is regularized and levelled with cement mixtures eliminating possible air voids. The installation plan must be prepared by applying the instructions given in the preceding paragraphs.

## STEP 2: Installation of the GREENPLATT

If the substrate meets the requirements of PHASE 1 and the installation surface is dry and clean, the GREENPLATT acoustic layer is laid out in the direction of the longest side of the room. The edges must be well placed between the sheets and between the sheet and the vertical surfaces on the perimeter, checking that there is perfect contact with the latter. All joints (internal and perimeter, the latter must be in the presence of glued flooring) should be joined and sealed with **ACOUSTAPE**.

For applications under **ceramic or parquet floors or low thickness radiators**, GREENPLATT must be glued to the substrate. In this case, spread the adhesive with a 5 mm toothed spatula and unroll the GREENPLATT by applying a light pressure on the entire surface with a rigid roller or flat spatula starting from the center outwards. Once the installation is complete, the GREENPLATT cannot be stepped on for the next 48 hours or for the curing time indicated by the glue if different from those indicated in this sheet. Once this period has elapsed, the paving can be laid.

## STEP 3: Installation of the ROTOCELL perimeter belt

Apply the **ROTOCELL AD h 60** mm strip to all vertical surfaces and in contact with the **GREENPLATT**, taking care to maintain continuity especially at the corners and joints. This band can be trimmed only after the laying of the floor.



## STEP 4: laying of flooring

### Laying the GREENPLATT under ceramic or stone floors:

Apply one of the adhesive adhesives proposed in this sheet or another brand as long as similar using a toothed 10 mm spatula. The laying of the flooring must be carried out in accordance with the procedures indicated by the supplier and, if present, the guidelines dictated by the reference technical standards. Ceramic floor thickness applicable on GREENPLATT from 10 mm.

### Laying of GREENPLATT under glued parquet floors:

Apply one of the adhesive adhesives among those proposed in this sheet or another brand provided it is a single component type based on silicate polymers or two components based polyurethane or epoxy-polyurethane. The application should be done using a 10 mm toothed spatula. The laying of the flooring must be carried out in accordance with the procedures indicated by the supplier and, if present, the guidelines dictated by the reference technical standards. The parquet applicable on GREENPLATT can only be of a multilayer type.

For conditions other than those specified, please consult the technical office.

## STEP 5: grouting and sealing

Once the joints have been filled, the excess of the **ROTOCELL AD h 60 mm** perimeter strip is trimmed and the skirting/plinth is laid. Taking care to keep it off the floor so that there is no hard contact between the elements. The same care shall be taken for adhesive glue used for the installation of baseboards/baseboards/ceramic or stone cladding. The leak sealing must be carried out with suitable elastic sealant (e.g. silicone) or joints having good elastic characteristics.

For conditions other than those specified, please consult the technical office.

**Emanuele Bonifazi**  
Technical Director

