

RELMAT MULTI-LAYER FLOORING

ELECTRA LINE

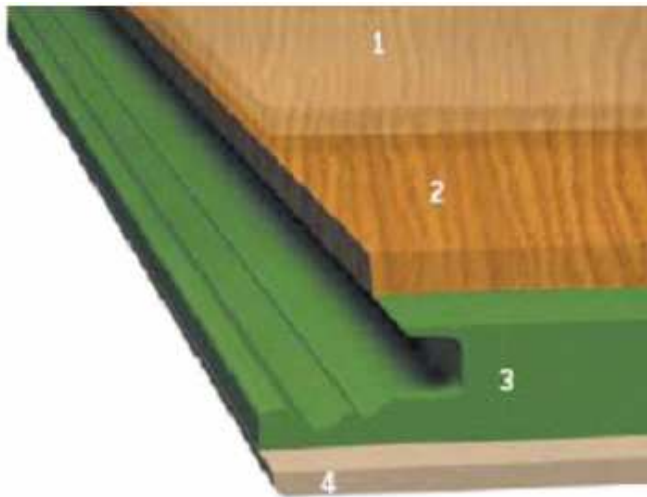
TECHNICAL SPECIFICATIONS

1. Product information

RELMAT Multi-layer 3.4mm is the ideal and one of the most innovative solutions for floor coverings, either in houses or moderate business areas. It is formed by a hardwood surface (wear layer) of 3.4mm, a core layer of moisture resistant HDF, while its base is made of pine softwood thus providing the option for a glue down installation.

Its main advantages are the glueless joining system (clip lock) that facilitates the quick and easy installation, as well as its extremely stable structure, as a result of its high density, hydro HDF core layer. It can be installed either floating or glued.

RELMAT Multi-layer Electra can be installed on subfloor heating (water system). $R = 0.11\text{m}^2 \text{C}^\circ/\text{W}$



1. 5 layers of ecological, solvent-free, formaldehyde and isocyanate free varnish, which is based on acrylic urethane with aluminium oxide and UV protection system.
2. Top layer is formed by a wood veneer of hardwood thick 3.4mm.
3. The core layer is formed by moisture resistant HDF, density > 880 kg/m³.
4. Plywood made of pine softwood

2. Dimensions

Width:	206 mm
Length:	1190 mm
Thickness:	Total Thickness :13.6 mm (+/- 0.3mm) Hardwood surface: 3.4 mm

3. Lock System



The lock system of RELMAT Multi-layer 3.4mm is an innovative, 3rd generation system that solves all the problems encountered with current clip-lock systems.

- High pressure laminated double lock profile (long-life guarantee)
- Reversible locking (boards assembled from front or back)
- At the small sides, it can be assembled flat or at an angle
- Narrow angle locking (for easier assembly, passing under heaters)
- High density hydro HDF (for stable locking)

4. Varnish

RELMAT Multi-layer 3.4mm top surface is coated with 5 layers of ecological, solvent-free, formaldehyde and isocyanine free varnish, which is based on acrylic urethane with aluminium oxide and UV protection system.

Test Results of Relmat Multi-layer Electra

Formaldehyde	mg/100cm ² /day in 35°C	< 0,05
Arsenic	mg/kg	< 0,05

** The tests were conducted in a Certified Laboratory*

5. Measurements and Tolerances

RELMAT Multi-layer Electra Flooring carries the CE sign, which guarantees that the product properties correspond to the requirements set by the European Union, regarding **HEALTH, SAFETY AND ENERGY SAVING.**



Caractéristiques	Measurement	Specifications / Tolerances	Comments
THICKNESS (E)		$e_{\text{nominal}} : -0,1 \text{ mm}$ $+0,3 \text{ mm}$	$e_{\text{nominal}} = 13 \text{ mm}$
LENGTH (L)		$L_{\text{nominal}} \pm 0.7 \text{ mm}$	$L_{\text{nominal}} = 1090 \text{ mm}$
WIDTH (I)		$I_{\text{nominal}} -0,05 \text{ mm}$ $+0,1 \text{ mm}$	$I_{\text{nominal}} = 206 \text{ mm}$ ou 196 mm
SQUARENESS (EQ)		$EQ_{\text{max}} < 0.15 \text{ mm}$	Measure squareness along the shorter side and using 2 diagonally opposite angles
STRAIGHTNESS = BANANA (B)		$B_{\text{max}} < 0.3 \text{ mm}$	Only measure the concave side, i.e. the side which dips inwards
HEIGHT DIFFERENCE (H)		$H_{\text{moyen}} < 0.15 \text{ mm}$	Measure 13 points (short and long side) on 8 assembled strips
LENGTHWAYS FLATNESS (H)	<p>Exemple : concave Décor</p>	$Plc < 0,5\% \text{ concave (hollow)}$ $PLb < 0,7\% \text{ convex (bowed)}$	<p>Concave: dipping inwards (finishing side upwards)</p> <p>Convex: bending outwards (finishing side downwards)</p>
FLATNESS BY CUPPING WIDTH (TU)	Use the device designed for this purpose	$TU_{\text{b}} < 0.25 \text{ mm convex}$	Only on strips with a 3-strip finish

6. Classification Overview

RELMAT Multi-layer 3.4mm is suitable for heavy residential use (for all the rooms in a house -except toilet and bathroom) and also suitable for moderate commercial use (enclosed offices, hotel rooms, etc).



Heavy residential use



Moderate commercial use