

# RELMAT MULTI-LAYER FLOORING

## INO LINE

### TECHNICAL SPECIFICATIONS

#### 1. Product information

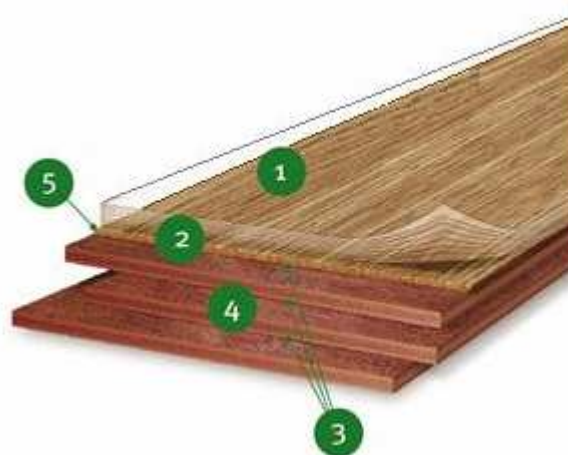
The prefinished, RELMAT Multi-layer of Ino Line is an excellent combination of natural wood with industrial treatment.

It is formed by four layers, pasted together with specialised waterproof adhesives. The three layers at the base are made of plywood, while the fourth layer (top layer) is real wood veneer (0.6mm).

The top surface is coated with at least eight layers of ecological, urethane varnish, fortified with aluminium oxide for the optimization of wear resistance, as well as with UV stabilizer for protection against ultraviolet rays. It comes with micro-V edges, for a perfect aesthetic result. It is offered in classic Oak color- with the option to choose between equal or straight grains - and Teak.

Due to its small thickness, RELMAT Multi-layer Ino can be easily placed in all areas, both in new constructions and in renovations. It can be installed glued, or floating, even on subfloor heating.

1. Varnish
2. Top Surface
3. Adhesive
4. Plywood
5. Micro -V edges





The varnish used in the RELMAT Ino Line parquets is the German TREFFERT which offers:

1. Resistance to scratches
2. Resistance to moisture
3. Protection against wood bacteria
4. Impact resistance
5. Resistance to household materials, stains, etc
6. Resistance to cigarette burns
7. Resistance to UV rays

### 3. Dimensions

Width:	125mm
Length:	910mm
Thickness:	12mm (0.6mm top layer veneer)
Edges:	TONGUE AND GROOVE

### 4. Technical Specifications

#### Technical Specifications of RELMAT Multi-layer Ino Line

Content	Standard	RELMAT Multi-layer Ino
Moisture Content	5-14%	8.4%
Static Bending Strength (MPa)	$\geq 30$	60.6
Modulus of Elasticity (MPa)	$\geq 4000$	6382
Surface wear resistance	$\leq 0.08g / 100r$	0.064g / 100r



**Technical Specifications of TREFFERT Varnish**

Test	Standard	Classification
Acetic acid 5%	20min	5
Ammonia 10% sol	960' (16h)	5
Ethylacohol 50%	1440' (24h)	5
Coffee	960' (16h)	5
Water	1440' (24h)	5
Acetone	960' (16h)	5
Mustard	1440' (24h)	5
NaOH 25% sol	10min	5
Adhesion	Cross-cut EN ISO 2409 Cross- cut and adhesive tape	0
Resistance to surface wear	(PrEN13329) S42 revolutions to IP	400
	(ASTM4060)CS17 revolution to IP	>15000
	Wear-Index mg abr./1000cycles	35
Resistance to impact	By small diameter ball EN 438-2.11(N)	<3
Resistance to scratching	EN 438-2.14(N)	2
Flammability	DIN 51960	K1

**Test Results of RELMAT Multi-layer Ino**

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

*\* The tests were conducted in a Certified Laboratory*