

The tables in the present document indicate the european fire reaction class achieved by the different types of Listone Giordano® hardwood floors and by some product of the Mood+ range.

The classes **C_{fl-s1}** and **B_{fl-s1}**, when declared, are guaranteed only if the laying is done according to indications corresponding with the specific colour/number in the following list:

- ① Glued installation on non-combustible substrate
- ② Glued installation by means of Ecolfit® Listone Giordano® adhesive on an underlay (composed of fibres and granules of SBR compacted using a polyurethane adhesive in a hot process) itself glued on non-combustible substrate by means of Ecolfit® Listone Giordano® adhesive. Underlay: 4 mm thick, mass per area unit $2,9 \pm 0,2$ kg/m².
or Glued installation on an acoustic insulation mat (thickness 2.0 ± 0.3 mm, air mass 0.37 ± 0.07 kg/m²) composed of cork agglomerated with polyurethane elastomeric binder itself glued to a non-combustible substrate.
Both gluing have to be done using a one component sililated polymer-based adhesive
- ③ Glued installation on underlay in european fire reaction class "E", maximum thickness 3 mm, itself glued on non combustibile substrate.
- ④ Floating installation on an insulated mat Isoldrum TOP or Isolmant TOP laid on non combustibile substrate
or Glued installation on non combustibile substrate

LISTONE GIORDANO® CLASSICA PRIMA 90, 120, 140 AND 190

FINISH	TOP LAYER WOOD SPECIES	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTAL-LATION	FIRE REACTION CLASS
NaturPlus 2	Oak / Teak	2,5 mm	Birch	7,5 mm	① - ②	C _{fl-s1}
NaturPlus 2	Other wood species*	2,5 mm	Birch	7,5 mm		D _{fl-s1}
MattPlus	Oak	2,5 mm	Birch	7,5 mm	① - ②	C _{fl-s1}
NaturPlus 2 Matt	Oak	2,5 mm	Birch	7,5 mm	① - ②	C _{fl-s1}
Olio ignifugo ("fireproof" Oil) **	Oak	2,5 mm	Birch	7,5 mm	①	C _{fl-s1}
Olio ignifugo ("fireproof" Oil) **	Walnut	2,5 mm	Birch	7,5 mm	①	C _{fl-s1}
Oleonature	All wood species*	2,5 mm	Birch	7,5 mm		D _{fl-s1}
Invisible Touch	All wood species*	2,5 mm	Birch	7,5 mm		D _{fl-s1}
Invisible Touch ignifugo (fireproof) **	Oak	2,5 mm	Birch	7,5 mm	①	C _{fl-s1}
NaturPlus 2	Oak	2,5 mm	Pine	9,0 mm		D _{fl-s1}
NaturPlus 2	All wood species*	2,5 mm	Pine	9,0 mm		D _{fl-s1}
NaturPlus 2 Matt	Oak	2,5 mm	Pine	9,0 mm	①	C _{fl-s1}
MattPlus	All wood species*	2,5 mm	Pine	9,0 mm		D _{fl-s1}
Olio ignifugo ("fireproof" Oil) **	Oak	2,5 mm	Pine	9,0 mm	①	C _{fl-s1}
Invisible Touch ignifugo (fireproof) **	Oak	2,5 mm	Pine	9,0 mm	①	C _{fl-s1}
Oleonature	All wood species*	2,5 mm	Pine	9,0 mm		D _{fl-s1}
Invisible Touch	All wood species*	2,5 mm	Pine	9,0 mm		D _{fl-s1}

LISTONE GIORDANO® CLASSICA LISTONE 140 AND 190

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
XPlus 2	All wood species*	3,5 mm	Pine	9,0 mm		D_{fl-s1}
NaturPlus 2	Oak	3,5 mm	Pine	9,0 mm	①	C_{fl-s1}
NaturPlus 2	All wood species*	3,5 mm	Pine	9,0 mm		D_{fl-s1}
MattPlus	Oak	3,5 mm	Pine	9,0 mm	①	C_{fl-s1}
MattPlus	All wood species*	3,5 mm	Pine	9,0 mm		D_{fl-s1}
NaturPlus2 Matt	Oak	3,5 mm	Pine	9,0 mm	①	C_{fl-s1}
NaturPlus2 Matt	All wood species*	3,5 mm	Pine	9,0 mm		D_{fl-s1}
Oleonature	All wood species*	3,5 mm	Pine	9,0 mm		D_{fl-s1}
Invisible Touch	All wood species*	3,5 mm	Pine	9,0 mm		D_{fl-s1}
XPlus 2	Oak, Morado, Walnut, Cabreuva km 31	3,5 mm	Birch	9,0 mm	① - ②	C_{fl-s1}
NaturPlus2	Oak	3,5 mm	Birch	9,0 mm	① - ②	C_{fl-s1}
NaturPlus2	Other wood species*	3,5 mm	Birch	9,0 mm		D_{fl-s1}
NaturPlus2 ignifugo (fireproof) **	Oak	3,5 mm	Special Birch FR	9,0 mm	①	B_{fl-s1}
MattPlus	Oak	3,5 mm	Birch	9,0 mm	① - ②	C_{fl-s1}
NaturPlus 2 Matt	Oak	3,5 mm	Birch	9,0 mm	① - ②	C_{fl-s1}
Olio ignifugo ("fireproof" Oil) **	Oak	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}
Olio ignifugo ("fireproof" Oil) **	Walnut	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}
Oleonature	All wood species*	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Invisible Touch	All wood species*	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Invisible Touch ignifugo (fireproof) **	Oak	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}
Oleonature Matt	Ash	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Oleonature Matt Ignifugo **	Ash	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}

LISTONE GIORDANO® CLASSICA LISTONE 70 AND 90

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
XPlus 2	All wood species*	3,5 mm	Pine	9,0 mm		D_{fl-s1}
NaturPlus 2	Oak	3,5 mm	Pine	9,0 mm	①	C_{fl-s1}
NaturPlus 2	All wood species*	3,5 mm	Pine	9,0 mm		D_{fl-s1}
MattPlus	Oak	3,5 mm	Pine	9,0 mm	①	C_{fl-s1}
MattPlus	All wood species*	3,5 mm	Pine	9,0 mm		D_{fl-s1}
NaturPlus2 Matt	Oak	3,5 mm	Pine	9,0 mm	①	C_{fl-s1}
NaturPlus2 Matt	All wood species*	3,5 mm	Pine	9,0 mm		D_{fl-s1}
Oleonature	All wood species*	3,5 mm	Pine	9,0 mm		D_{fl-s1}
Invisible Touch	All wood species*	3,5 mm	Pine	9,0 mm		D_{fl-s1}

LISTONE GIORDANO® CLASSICA PLANK 140, 190 AND 230

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
XPlus 2	Oak, Morado, Walnut, Cabreuva km 31	5,0 mm	Birch	9,0 mm	① - ②	C_{fl-s1}
NaturPlus 2	Oak	5,0 mm	Birch	9,0 mm	① - ②	C_{fl-s1}
NaturPlus 2	Other wood species*	5,0 mm	Birch	9,0 mm		D_{fl-s1}
MattPlus	Oak	5,0 mm	Birch	9,0 mm	① - ②	C_{fl-s1}
NaturPlus 2 Matt	Oak	5,0 mm	Birch	9,0 mm	① - ②	C_{fl-s1}
Oleonature	Oak	5,0 mm	Birch	9,0 mm	① - ②	C_{fl-s1}
Oleonature	Other wood species*	5,0 mm	Birch	9,0 mm		D_{fl-s1}
Olio ignifugo ("fireproof" Oil) **	Walnut	5,0 mm	Birch	9,0 mm	①	C_{fl-s1}
Invisible Touch	Oak	5,0 mm	Birch	9,0 mm	① - ③	C_{fl-s1}
Invisible Touch	Other wood species*	5,0 mm	Birch	9,0 mm		D_{fl-s1}

LISTONE GIORDANO® CLASSICA PRIMA FLOATING 140 AND 190

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
NaturPlus 2	Oak	2,5 mm	Pine	11,5 mm	④	C _{fl-s1}
NaturPlus 2	Other wood species*	2,5 mm	Pine	11,5 mm		D _{fl-s1}
Olio ignifugo ("fireproof" Oil) **	Oak	2,5 mm	Pine	11,5 mm	④	C _{fl-s1}
Oleonature	All wood species*	2,5 mm	Pine	11,5 mm		D _{fl-s1}
Invisible Touch	All wood species*	2,5 mm	Pine	11,5 mm		D _{fl-s1}

LISTONE GIORDANO® CLASSICA LISTONE FLOATING 140 AND 190

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
NaturPlus 2	Oak	3,5 mm	Pine	11,5 mm	④	C _{fl-s1}
NaturPlus 2	Other wood species*	3,5 mm	Pine	11,5 mm		D _{fl-s1}
Olio ignifugo ("fireproof" Oil) **	Oak	3,5 mm	Pine	11,5 mm	④	C _{fl-s1}
Oleonature	All wood species*	3,5 mm	Pine	11,5 mm		D _{fl-s1}
Invisible Touch	All wood species*	3,5 mm	Pine	11,5 mm		D _{fl-s1}

LISTONE GIORDANO® ATELIER HERITAGE

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
Olio ignifugo ("fireproof" Oil) **	Oak	3,5 mm	Birch	9,0 mm	①	C _{fl-s1}
Olio ignifugo ("fireproof" Oil) **	Walnut	3,5 mm	Birch	9,0 mm	①	C _{fl-s1}
Oleonature	All wood species*	3,5 mm	Birch	9,0 mm		D _{fl-s1}
Invisible Touch	All wood species*	3,5 mm	Birch	9,0 mm		D _{fl-s1}
Invisible Touch ignifugo (fireproof) ** (transparent, Monteriggioni and Montesiepi)	Oak	3,5 mm	Birch	9,0 mm	①	C _{fl-s1}
Oleonature Matt	Ash	3,5 mm	Birch	9,0 mm		D _{fl-s1}
Oleonature Matt Ignifugo (fireproof) **	Ash	3,5 mm	Birch	9,0 mm	①	C _{fl-s1}

LISTONE GIORDANO® ATELIER DÉSIR

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
Invisible Touch	All wood species*	3,5 mm	Birch	9,0 mm		D _{fl-s1}
Invisible Touch ignifugo (fireproof) **	Oak	3,5 mm	Birch	9,0 mm	①	C _{fl-s1}
Oleonature Matt	Ash	3,5 mm	Birch	9,0 mm		D _{fl-s1}
Oleonature Matt Ignifugo (fireproof) **	Ash	3,5 mm	Birch	9,0 mm	①	C _{fl-s1}

LISTONE GIORDANO® ATELIER RÉSERVE

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
Olio ignifugo ("fireproof" Oil) **	Oak	3,5 mm	Poplar + Oak	14,5 mm	①	C _{fl-s1}
Oleonature	Oak	3,5 mm	Poplar + Oak	14,5 mm		D _{fl-s1}
Invisible Touch	Oak	3,5 mm	Poplar + Oak	14,5 mm		D _{fl-s1}

LISTONE GIORDANO® ATELIER QUATTROCENTO ITALIANO

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
Oleonature	Oak	5,0 mm	Birch	9,0 mm	① - ②	C _{fl-s1}
Invisible Touch	Oak	5,0 mm	Birch	9,0 mm	① - ③	C _{fl-s1}

LISTONE GIORDANO® ATELIER DECÒ

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
Oleonature	Oak	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Olio ignifugo ("fireproof" Oil) **	Oak	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}

LISTONE GIORDANO® NATURAL GENIUS MEDOC HERITAGE (2 LAYERS)

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
Olio ignifugo ("fireproof" Oil) **	Oak	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}
Oleonature	All wood species*	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Invisible Touch	All wood species*	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Invisible Touch ignifugo (fireproof) **	Oak	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}
NaturPlus2	Oak	3,5 mm	Birch	9,0 mm	① - ②	C_{fl-s1}

LISTONE GIORDANO® NATURAL GENIUS SLIDE (2 LAYERS)

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
Oleonature	Oak	3,5 mm	Birch	9,0 mm		D_{fl-s1}
NaturPlus2	Oak	3,5 mm	Birch	9,0 mm	① - ②	C_{fl-s1}
NaturPlus2 Matt	Oak	3,5 mm	Birch	9,0 mm	① - ②	C_{fl-s1}
Olio ignifugo ("fireproof" Oil) **	Oak	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}
Oleonature Matt	Ash	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Oleonature Matt Ignifugo (fireproof) **	Ash	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}

LISTONE GIORDANO® NATURAL GENIUS FOXTROT (2 LAYERS)

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
Oleonature	Oak	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Olio ignifugo ("fireproof" Oil) **	Oak	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}
Invisible Touch	Oak	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Invisible Touch ignifugo (fireproof) **	Oak	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}

LISTONE GIORDANO® NATURAL GENIUS FABRIQUE

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
Oleonature	multilayer Birch	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Olio ignifugo ("fireproof" Oil) **	multilayer Birch	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}

LISTONE GIORDANO® NATURAL GENIUS CONTE

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
Invisible Touch	Oak	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Invisible Touch ignifugo (fireproof) **	Oak	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}

LISTONE GIORDANO® NATURAL GENIUS BISCUIT

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
Invisible Touch	Oak	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Invisible Touch ignifugo (fireproof) **	Oak	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}

LISTONE GIORDANO® NATURAL GENIUS NUI

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
Invisible Touch	Oak	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Invisible Touch ignifugo (fireproof) **	Oak	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}
NaturPlus 2 Matt	Oak	3,5 mm	Birch	9,0 mm	① - ②	C_{fl-s1}
Oleonature Matt	Ash	3,5 mm	Birch	9,0 mm		D_{fl-s1}
Oleonature Matt Ignifugo (fireproof) **	Ash	3,5 mm	Birch	9,0 mm	①	C_{fl-s1}

All the products of the collections Listone Giordano® Natural Genius **Perigal**, **Loop**, **Factum** and **Traffic** offer the fire reaction class **D_{fl-s1}** in all their shapes, dimensions, thicknesses, type of installation and finishes.

MOOD+® LINEA

FINISH	TOP LAYER	TOP LAYER THICKNESS	SUPPORT WOOD SPECIES	SUPPORT THICKNESS	INSTALLATION	FIRE REACTION CLASS
Verniciato Matt (transparent)	Oak	3,5 mm	Birch	7,5 mm	①	C _{fl-s1}
Verniciato Matt (transparent)	Oak	2,5 mm	Birch	9,5 mm	①	C _{fl-s1}
Verniciato Matt (transparent)	Oak	4,0 mm	Birch	11,0 mm	①	C _{fl-s1}
Verniciato Matt (transparent or with colour pigments)	Oak	2,5 mm	Birch	7,5 mm	①	C _{fl-s1}

** the terms "All wood species*" or "Other wood species*" refer to the following list:*

Oak - Cherry - Beech - Canadian Maple - Cabreuva km 31 - Doussiè - Iroko - Jatoba - Maple – Ash - Cabreuva Vermelha - Lapacho - Morado - Teak - Wengè

*** special finish carried out at the customer's request and for which a specific quotation must be provided*

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