

DARWINFLOOR SERIES

The evolution of the species of raised floors

The **Darwinfloor series** was born to provide a **specific support** for high quality finishes and in particular those made of stoneware or natural stones.

The support of the **Darwinfloor series** is completely waterproof: there is no risk of dimensional variations in presence of water. Thus the panels are easier to be handled on site before the installation because they not need a dry warehouse.

Darwinfloor has unique features that meet the most stringent laws regarding safety, ecology and performance.



Darwinfloor: naturally amphibious

The **Darwinfloor series**, as our standard supports, enables us to implement any size between 30 and 120 cm of side with a low thickness and hi performances.

TECHNICAL DESCRIPTION:

REACTION TO FIRE:	Class 1
SOUND DEADENING POWER:	≥ 38 db
THICKNESS:	15 mm
DENSITY:	2200 kg./m ³
DIMENSIONAL VARIATION (after 24 hours immersion in water):	= 0%
WEIGHT OF PANEL (60x60 cm):	19,5 kg
WEIGHT OF PANEL PER SQ.M.:	54 kg
SPECIFIC HEAT:	455,30 ± 67,73 J/Kg°K
THERMAL CONDUCTIVITY λ:	455,30 ± 67,73 J/Kg°K
THERMAL RESISTANCE R:	0,0668 m ² K/W
DYNAMIC STIFFNESS:	379,34 MN/m ³
ACOUSTIC ABSORPTION α:	0,025
ACOUSTIC IMPEDANCE Z:	27,6
ACOUSTIC ADMITTANCE A:	0,01
ACOUSTIC REFLECTION R:	0,99



CONCENTRATED LOAD	CTA/CTS		DISTRIBUTED LOAD	CTA/CTS
	load	class		load
Stoneware or natural stone 600x600 mm	450 kg	4	Stoneware or natural stone 600x600 mm	2500 Kg



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MECHANICAL RESISTANCE (deflection ≤ 2.5 mm; safety coefficient ≥ 2)