

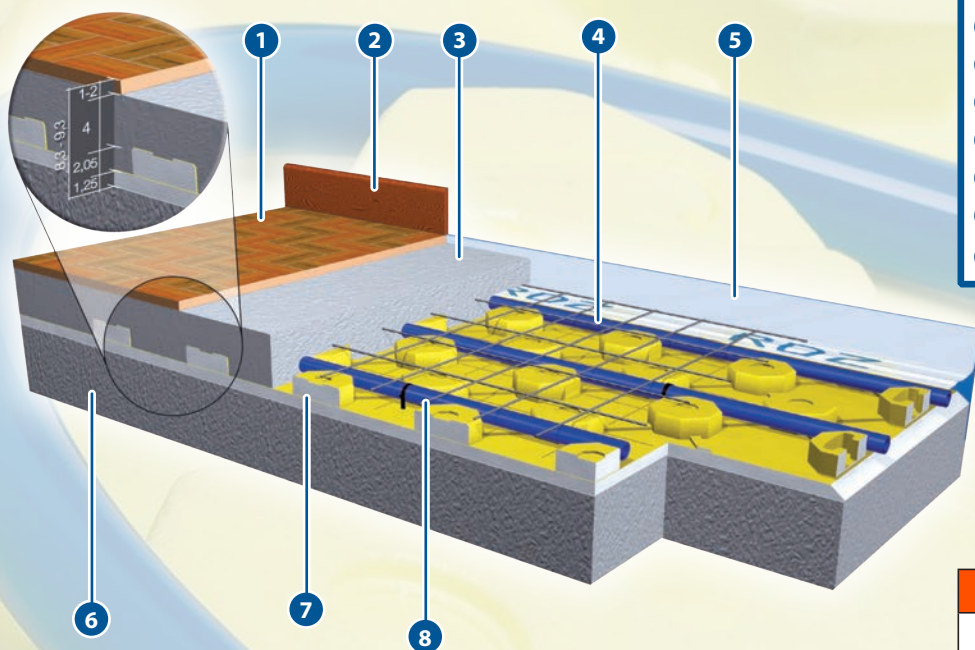
# RDZ TECHNICAL SHEET

9120050.03 04/2013



## "NEW PLUS" PANEL

It is a waterproof panel, made of moulded expanded polystyrene (according to UNI 13163), which has high mechanical resistance. It is combined with a special plastic film in order to protect it from humidity and to improve its resistance to the deformations of the walking surface. These panels are provided with a tongue along the perimeter to connect them for proper alignment. They have a moulded surface with reliefs of 20.5 mm, so that the cross-linked polyethylene pipes (Ø17 mm) can be fitted into the tabs of the panel at intervals of 8.3 cm or multiples.



- 1 Flooring
- 2 Skirting board
- 3 Concrete
- 4 Pipe PE-Xc 17-13
- 5 Perimeter belt
- 6 Structural base + levelling
- 7 New Plus Panel
- 8 Anti-shrinkage mesh

Size (mm)	Code
1000x500x12,5	1043011

FEATURES	VALUE	UNIT	STANDARD
Size of the panel:	1000x500x12.5	mm	UNI 822
Standard thickness:	33	mm	UNI 823
Thickness of the insulating base:	12.5	mm	
Thermal conductivity 10 °C:	0.033	W/(m · K)	UNI EN 12667
Resistance to compression with 10% deformation:	250	kPa	UNI 826
Resistance to compression with 5% deformation:	180	kPa	UNI 826
Resistance to compression with 2% deformation:	130	kPa	UNI 826
Thermal resistance:	0.50	(m <sup>2</sup> · K)/W	UNI EN 13163
Equivalent total thickness:	18	mm	UNI EN 1264-3
Water vapour diffusion resistance factor	40 to 100	1	UNI EN 12086
Limit of operating temperature	70	°C	
Thickness of the combined film:	150	µm	
Resistance to fire:	F	Euroclass	EN ISO 11925-2
Declaration according to EN 13163	EPS-EN13163-T1-L1-W1-S2-P4-BS350-CS(10)250-DS(70,-)1-WL(T)3-MU(40-100)		