



22 EN 14509:2013 AVCP3

10 Declared performance for QuadCore IND I 122

Thickness in mm	40	60	80	100	120	140	170	200	220	Harmonised Technical Specification	
Thermal transmittance (W/m²K) λ=0,018 W/m.K											
External wall	0,46	0,30	0,22	0,18	0,15	0,13	0,11	0,09	0,08	EN 14509:2013	
Partition	0,44	0,29	0,22	0,18	0,15	0,13	0,13	0,09	0,08		
Ceiling	0,46	0,30	0,22	0,18	0,15	0,13	0,11	0,09	0,08		
Roof				0,18	0,15	0,13	0,11	0,09	0,08		
Mass (Kg/m²)	9,84	10,64	11,44	12,24	13,04	13,84	15,04	16,24	17,04		
Wrinkling Stress (MPa)											
External span	164	164	164	164	164	160	154	148	144		
External span (High temp)	157	157	157	157	157	153	148	142	138		
External central support	115	115	115	115	115	112	108	104	101		
External central support (High temp)	110	110	110	110	110	108	104	100	98		
Internal span	164	164	164	164	164	160	154	148	144		
Internal central support	131	131	131	131	131	128	123	118	115		
Resistance to fire	NPD									EN 13501-2	
Reaction to fire	B-s2,d0 for 40mm, B-s1,d0 for all other thicknesses									EN 13501-1	
^{**} External steel gauge	Min 0.5mm									EN 10346	
^{**} Internal Steel gauge	Min 0.5mm										
External and Internal steel grade	S280GD										
External coatings	Polyester 25µm HDP 25µm and 35µm Polyurethane 35µm and 55µm Plastisol 200µm PVDF 25µm and 35µm									EN 10169	
Internal coatings	Polyester 15µm, 25µm HDP 25µm and 35µm PVDF 25µm and 35µm Polyurethane 35µm and 55µm PET 55µm PVC 120µm									EN10169	
^{***} Internal coatings (Stainless steel)	304L and 316L Lampre A490PP PVC +PET									EN 14509:2013	
Minimal density (kg/m ³)	34									EN 14509:2013	
Thermal conductivity (W/m.K)	0,018										
Tensile strength ≥ (MPa)	0,07				0,05						
Compressive strength ≥ (MPa)	0,11										
Shear strength ≥ (MPa)	0,08										
Shear modulus ≥ (MPa)	3,05				2,45						
Water permeability	NPD										
Air permeability (m ³ /h/m ² @ 50pa)	NPD										
Water vapour permeability	Impermeable										

^{*} According to classification reports.

^{**} Thicker steel gauges are available on request.

^{***} For inside use only.