

PLAKFLAT Technical data

Standard properties	Unit	PlakFlat Natural Grey		CE Standard
		Medium Density	High Density	
		8-12mm	12-20mm	
Physical properties				
Thickness tolerance	%	± 8	± 8	EN 12467:2021
Density	Kg/m ³	1300 ± 50	1600 ± 50	EN 12467:2021
Modulus of rupture (in wet conditions)	MPa	≥7	≥17	EN 12467:2021
Modulus of elasticity (in wet conditions)	MPa	≥4.000	≥9.000	EN 12467:2021
Modulus of rupture	MPa	≥10	≥22	EN 12467:2021
Modulus of elasticity	MPa	≥5.000	≥11.000	EN 12467:2021
Moisture content	%	≤15	≤12	EN 12467:2021
Water absorption	%	35 (Max.)	25 (Max.)	EN 12467:2021
pH Value	pH	7-8	7-8	EN 12467:2021
Water resistance		Compliant	Compliant	EN 12467:2021
Thermal conductivity	λ	0.124 W/m-k	0.162 W/m-k	EN 12467:2021
Fire resistance				
Fire reaction class	-	A1	A1	EN 13501:2005
Fire resistance	-	Compliant	Compliant	EN 12467:2021
Fire propagation index	-	Compliant	Compliant	EN 12467:2021
Flame surface diffusion	-	Compliant	Compliant	EN 12467:2021
Smoke development index (SDI)	-	15	15	EN 12467:2021
Flame spread index (FSI)	-	0	0	EN 12467:2021
Durability				
Freeze - thaw	-	Compliant	Compliant	EN 12467:2021
Hot water resistance	-	Compliant	Compliant	EN 12467:2021