

Standard properties	Unit	PlakFlat ColorPlus LD (low density)		CE Standard
Physical properties				
Thickness tolerance	%	± 8	± 8	EN 12467:2021
Density	Kg/m³	1 300 ± 50	1 600 ± 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	-	A2 - S1 - D0	A2 - S1 - D0	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





Standard properties	Unit	PlakFlat ColoPlus HD (high density)	CE Standard
Physical properties			
Thickness tolerance	%	± 6	EN 12467:2021
Density	Kg/m ³	1750 ± 50	EN 12467:2021
Water absorption	%	≤20	EN 12467:2021
Moisture content	%	≤8	EN 12467:2021
Mould resistance		Compliant	EN 12467:2021
pH Value	pH	7-8	EN 12467:2021
Water resistance		Compliant	EN 12467:2021
Thermal conductivity	λ	0.162 W/m-k	EN 12467:2021
Mechanical properties			
Modulus of rupture (longitudinal)	MPa	≥23	EN 12467:2021
Modulus of rupture (transversal)	MPa	≥18	EN 12467:2021
Modulus of elasticity (longitudinal)	MPa	≥14.000	EN 12467:2021
Modulus of elasticity (transversal)	MPa	≥11.000	EN 12467:2021
Fire resistance			
Fire reaction class	-	A2-S1-D0	EN 13501:2005
Fire resistance	-	Compliant	EN 12467:2021
Fire propagation index	-	Compliant	EN 12467:2021
Flame surface diffusion	-	Compliant	EN 12467:2021
Smoke development index (SDI)	-	Compliant	EN 12467:2021
Flame spread index (FSI)	-	Compliant	EN 12467:2021
Durability			
Heat - rain resistance	-	Compliant	EN 12467:2021
Hot water resistance	-	Compliant	EN 12467:2021
Freeze - thaw	-	Compliant	EN 12467:2021
Soak - dry resistance	-	Compliant	EN 12467:2021