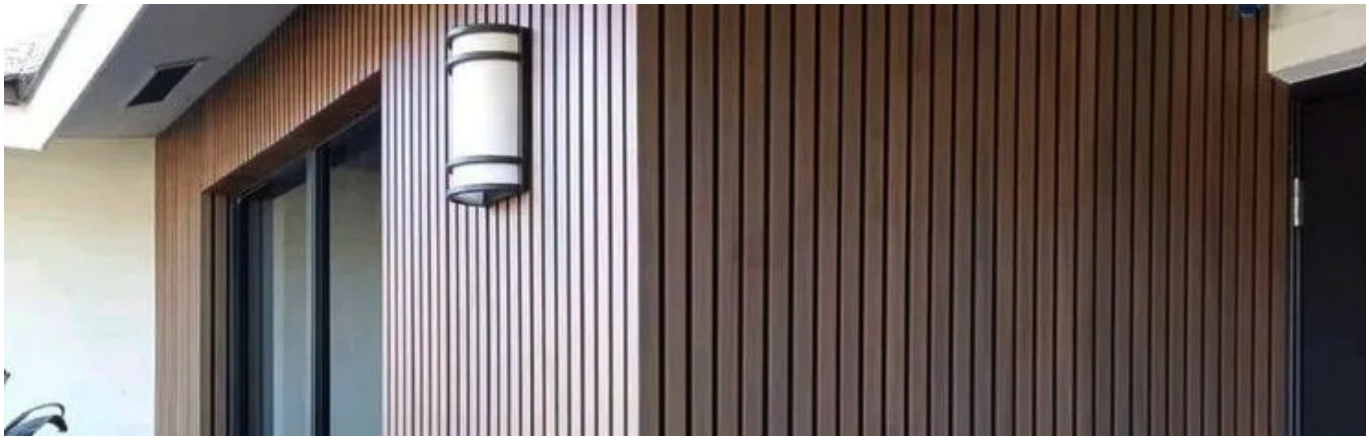
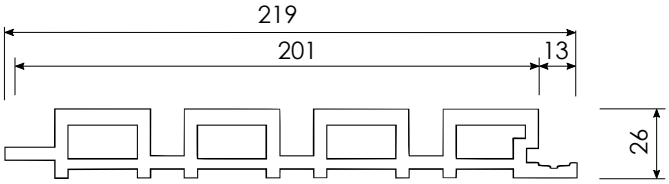
Panel BRUNO

LAMELIO
OUTDOOR PANELS



teak/ charcoal	cedar/ charcoal	silver gray/ charcoal	walnut/ charcoal
			
PA5927	PA5928	PA5929	PA5930



Usable surface per board	0,58 m2
Mass per unit area	10,95 kg/m2
Outer width	219 mm
Usable width	201 mm
Standard lenght	2 900 mm

panel corner universal
41 x 53 mm x 2,90 m

item PA5933 I Teak
item PA5934 I Valnut
item PA5935 I Cedar
item PA5936 I Silver Gray

panel corner Bruno
49 x 49 mm x 2,90 m

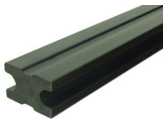
item PA5937 I Teak
item PA5938 I Valnut
item PA5939 I Cedar
item PA5940 I Silver Gray

panel trim Bruno
26 x 49 mm x 2,90 m

item PA5941 I Teak
item PA5942 I Valnut
item PA5943 I Cedar
item PA5944 I Silver Gray

panel connector Bruno
76 x 26 mm x 2,90 m

item PA5949 I Teak
item PA5950 I Valnut
item PA5951 I Cedar
item PA5952 I Silver Gray



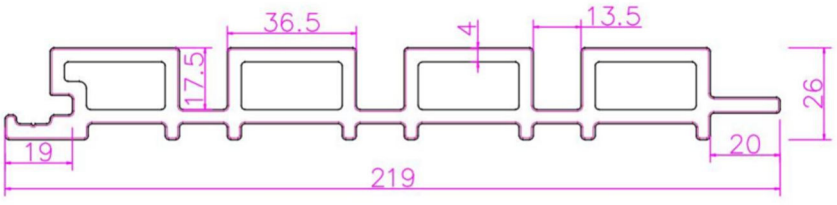
panel underlay WPC black
40 x 25 mm x 2,90 m

item PA5932 I Black

Product description:

	Nominal values
Type of product	Wood-plastic composite (WPC) cladding. The core of the wood-plastic composite consists of 60% wood and 40% high-density polyethylene (HDPE) fillers + additives. The core is covered on all sides with a coextruded plastic cap layer. The profile has got a tongue- and groove connection.
Manufacturer	GAUDIAHOME, s.r.o
Ratio wood/ HDPE	35 % Plastic, 60 % Wood fiber, 5 % Additives
Item No.	PA5927, PA5928, PA5929, PA5930
Item Name	PANEL BRUNO TEAK/CHARCOAL, PANEL BRUNO CEDAR/ CHARCOAL, PANEL BRUNO SILVER GRAY/CHARCOAL, PANEL BRUNO WALNUT/CHARCOAL
Profiling/ shape	The technical drawing is visible in Figure 1
Profile width (mm)	219
Total thickness (mm)	26
Thickness core	
Thickness coextruded layer (cap)	0.5
Density(g/m^3)	1.35
Color	Teak, Cedar, Silver Gray, Walnut
Surface structure	
Lenght (mm)	2 900

Figure 1: Profile of the material



Test	Standard / Method	Value	Verdit
Physical Properties			
Moisture Content	EN15534 EN322	0.85%	
Mechanical Properties			
Falling Mass Impact Resistance	EN15534	Max Crack length(mm): No crack. Max Residual Indentation(mm): 0.13	Pass
Brinell Hardness	EN15534	83Mpa	
Resistance to Indentation	EN15534	Rate of elastic recovery: 73%	
Bond Strength	EN319	Average Bond Strength>1.78MPa No obvious abruption and damage after test	
Thermal Properties			
Coefficient of Linear Thermal Expansion	EN15534	$41.6\times10^{-6}K^{1}$	$\leq 50\times10^{-6}K^{1}$ Pass
Heat Build-up	EN15534	△ T=-2.9℃	
Durability			
Resistance to Artificial Weathering	EN15534	No blistering, cracking or peeling observed	
Swelling and Water Absorption (28days immersion)	EN15534	Swelling: 0.89%in thickness, 0.07%in width, 0.07%in length.	Swelling≤ 4%in thickness ≤ 0.8%in width ≤ 0.4%in length Pass
		Water absorption: Max≤ 1.09%	Water absorption: Max. ≤ 9% Pass
Resistance to Boiling Water	EN15534	Mean: 0.95%	Mean ≤ 7%Pass
		Max. : 1%	Max. ≤ 9%Pass
Mould Resistance	EN15534	Rating 0, no growth	
Fire			
Euroclass	EN13501	C	
Safety & Environment Protection			
Heavy Metal Content	EPA3051	Sb:ND, As:ND, Se:ND, Sn:ND	
Lead Content Test	EUNo.628/2015	Non Detected	
Pb, Cd, Hg, Cr6+	RoHs-IEC62321	Pb:ND, Cd:ND, Hg:ND, Cr6+:ND	