



PALBOARD® Terra

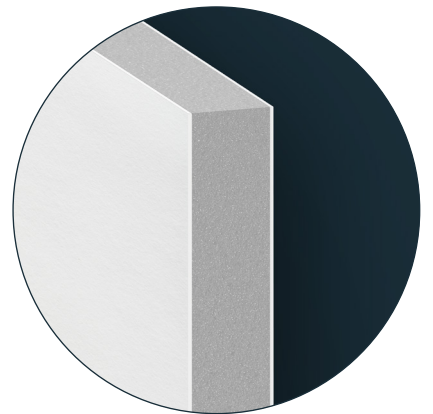
Carbon negative PVC composite panel



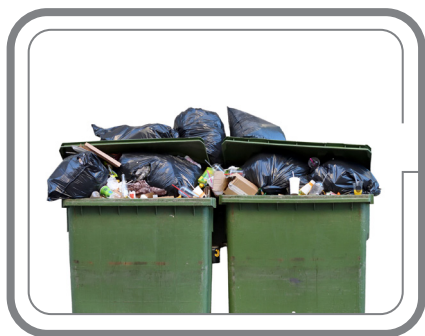
Overview

PALBOARD Terra is the world's first PVC composite panel with a negative carbon footprint.

An ecological alternative to conventional sign & display substrates. Using recycled PVC and innovative UBQ™ material, its manufacturing process eliminates more CO₂ than it emits. UBQ™ is the only material upcycled from 100% unsorted household waste diverted from landfills. Palram effectively utilizes waste material, and turns it into a sustainable product. PALBOARD Terra is engineered for wide-format printing and mechanical fabrication, making it easy for designers and printers to accomplish sustainability goals.



1 metric ton of PALBOARD Terra prevents emissions equivalent to 270kg of CO₂



Household Trash



UBQ Materials



PALBOARD® Terra



UBQ Materials, climate tech developer of advanced materials made from organic and unrecyclable waste.

Typical Applications



Digital and screen printing



POP and retail displays



Advertising signage

The environmental impact of PALBOARD® Terra



1.0 ton
PALBOARD Terra

=



190 kg
Landfill waste diverted

=



1.75 ton
CO2eq prevented

=



150 trees*
Annual CO2eq sequestration

*10-year-old conifers

Typical Physical Properties

Property	Standard	Conditions	Units	Value
Physical				
Density	ASTM D-792		g/cm ³	3mm - 0.62 5mm - 0.60 10mm - 0.58
Water absorption	ASTM D-570	24 hr @ 23°C	%	<8%
Mechanical – Machine direction				
Flexural modulus	ASTM D-790		MPa	1200
Shore hardness	ASTM D-2240		Shore D	40
Thermal				
Service temp range			°C	-10 to 55
Heat deflection temp	ASTM D-648	Load: 1.82 MPa	°C	62
Coefficient of linear thermal expansion	ASTM D-696		10 ⁻⁵ /°C	6.7
Electrical				
Surface resistance	ASTM D-257		Ohm	>10 ¹²

Colors

White - Grey

White - Grey - White

Standard sizes

Thickness: 3, 5, 10 mm

Length: 2,440 mm

Width: 1,220 mm



make a
DIFFERENCE



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