

BIOCLAD white & Pastels EXTRUDED PVC SHEET

PROPERTIES PHYSICAL DATA

	PROPERTY	TEST METHOD	UNITS	AVERAGE VALUE
Physical Characteristics	Specific Gravity	ASTM D792	g/cm ³	1.4
	Rockwell Hardness	ASTM D785	R-SCALE	R115
Mechanical Properties	Tensile Strength	ASTM D638	Kgf/cm ²	600
	Elongation	ASTM D638	%	100
	Bending Strength	ASTM D790	kgf/cm ²	1,000
	Youngs Modulus of Elasticity	ASTM D790	kgf/cm ²	34,000
	Impact Resistance (Izod)	ASTM D256	kgfcm/cm ²	5.0
Thermal Properties	Heat Distortion Temperature	ASTM D648	°C	60
	Coefficient of Linear Expansion	ASTM D696	cm/cm°C	7.0 x10-5
	Dielectric Breakdown Voltage	ASTM D149	kv/mm	22-35

CHEMICAL RESISTANT PROPERTIES

NAME OF CHEMICAL	TEMP C	NAME OF CHEMICAL	TEMP C
Hydrochloric Acid 35%	20 40 60	Petrol	20 40 60
Sulphuric Acid 60%	V V V	Glycerine Nitric Acid	V V V
Nitric Acid 70%	V V V	Solution of Spraying Paint	P P P
Formic Acid 100%	V G P	Chlorine Gas	P P P
Lactic Acid	V V V	Ammonia/Other Waste Gases	V V G
Caustic Soda	V V V	Natural Gas	V V -
Ammonia Water	V V V	Coal Gas	G G -
Sodium Disulphide	V V P	Bleaching Solution	V V -
Acetone	P P P	Electro-Plating	V V G
Ethyl Alcohol	V V G	Developing (Fixing Liquid for Photography)	V V -
Butyl Alcohol	V G G	Sea Water/Salt Water	V V V
Benzene	P P -	Fermented Alcohol	V G
Formalin	V V G	Starch (carbohydrate) Solution	V V V
Carbon Disulphide	P P -	Brewing Water	V V V
REMARKS	V	Denotes Safely applicable (absolutely corrosion resistant)	
	G	Denotes applicable (corrosion resistant)	
	P	Denotes inapplicable	

BIOCLAD PVC

BIOCLAD/ADVANCED EXTRUDED PVC SHEET in conjunction with **BioCote Ltd ®** has been tested for antimicrobial efficacy according to ISO 22196: 2011 and exhibited a minimum of 95% and up to 99.99% reduction in bacterial population, classified as 'microbiological results satisfactory'. Testing by Biocote Ltd ® is carried out by an independent laboratory.

BIOCLAD/ADVANCED PVC is suitable for cladding in food preparation areas such as kitchens, dairies, abattoirs and bakeries. Hospitals and clinics. This has been confirmed by the Ministry of Food, Fisheries and Agriculture and also local Health Authorities.

BIOCLAD/ADVANCED PVC meets the following regulations:

STATUTORY INSTRUMENTS 1172 – 1970 – Food Hygiene (General) Regulations 1920

STATUTORY INSTRUMENTS 2037 – 1992 – Fresh Meat Regulations 1992

Milk and Dairies Regulations 1959 No 277

ISO 22196:2011

ASTM E84, EN 13501-1:2007+A1:2009 C-S1-d0,BS 476 part 6 class 'O' (when attached to a non-combustible substrate), part 7 class '1', AS/NZS 3837:1998

This material should be cleaned by using warm soapy water, or stubborn stains and marks may be cleaned with proprietary milk cleaner such as Cif (Jif).