BIOCLAD®

## PHYSICAL DATA INFORMATION





## PHYSICAL DATA INFORMATION

Physical	Specific Gravity		ASTM D792	g/cm <sup>2</sup>	1.4
Characteristics	Rockv	well Hardness	ASTM D785	R-Scale	R115
Mechanical	Tensile Strength		ASTM D638	Kgf/cm <sup>2</sup>	600
Properties	Elonga	ation	ASTM D638	%	100
	Bendi	ing Strength	ASTM D790	Kgf/cm <sup>2</sup>	1,000
	Young	gs Modulus of			
	Elasticity Impact Resistance (Izod)		ASTM D790	Kgf/cm <sup>2</sup>	34,000
			ASTM D256	Kgfcm/cm <sup>2</sup>	5.0
Thermal	Heat [	Distortion			
Properties	Temp	erature	ASTM D648	°C	60
	Coeff	ficient of Linear			
	Expansion		ASTM D696	cm/cm °C	7.0x10-5
Electrical	Dielectric Breakdown				
Properties	Voltage		ASTM D149	kv/mm	22-35
OLIEVAIO AL DECICEA	NT DDC				
CHEMICAL RESISTANT PRONAME OF CHEMICAL			NIANAE OE CLIENAIC	NAME OF CHEMICAL	
		TEMP C	NAME OF CHEMICAL		TEMP C
Hydrochloric Acid 25%		20 40 60	Petrol		20 40 60
Hydrochloric Acid 35%		V V V	Clycerine Nitric Acid		V V V
Sulphuric Acid 60% Nitric Acid 70%			•	Solution of Spraying Paint	
Formic Acid		V V V V G P	Chlorine Gas		P P P
Lactic Acid		V	Ammonia/Other Waste Gases		V V G
Caustic Soda		V V V	Natural Gas		V V G
Ammonia Water		V V V	Coal Gas		G G -
Sodium Disulphide		V V P	Bleaching Solution		V V -
Acetone		PPP	Electro-Plating		V V G
Ethyl Alcohol		V V G	9	S .	
Butyl Alcohol		V G G	Developing (Liquid for Photog) Sea Water / Salt Water		V V - V V V
Benzene		P P -	Fermented Alcohol		V V V
Formalin		V V G	Starch (Carbohydrate) Solution		V
			Brewing Water		
Carbon Disulphide		P P -	Drewing water		V V V



## PHYSICAL DATA INFORMATION

REMARKS V Denotes safely applicable (absolutely corrosion resistant)

G Denotes applicable (corrosion resistant)

P Denotes inapplicable

BioClad is suitable for cladding in food preparation areas such as dairies, abattoirs and bakeries. This has been confirmed by the Ministry of Food, Fisheries and Agriculture and also local Health Authorities.

BioClad 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 13501-12007 + A1:2009 C-s1-d0, BS 476 part 6 clas '0', part 7 class '1', AS/NZS 3837:1998

BioClad: This material is impact resistant to a wide variety of shocks, offering resistance to a wide range of chemicals including alkalis, acids, alcohols etc. as well as powerful resistance to salt air and aggressive industrial environment. Minimal water absorption means that steam cleaning to a maximum temperature of 60 C and power hosing will have no effect, and micro organisms and rodents present no difficulty. The material has obtained a Fire rating "Class 1" BS 476 Part 7 1971

"Surface Spread of Flame" and has also been tested in France "Class 1" for all thicknesses from 0.8 to 6.00mm

(LSTB-LNAMSTELF, PARIS).

The material should be cleaned by using warm soapy water, or stubborn stains and marks may cleaner such as Cif (Jif). PVC Cream of Solvent cleaners are also available if required.

BioClad contains silver phosphate glass antimicrobial technology to preserve the surface and prevent degradation caused by microbial growth. Biocide certified by ECHA, FDA and the EPA. BDR compliant. Antimicrobial is an additional line of defence beyond antibacterial with the power to kill fungi, microbes and protozoans as well as bacteria. BioClad's antimicrobial comes with a lifetime guarantee. BioClad's antimicrobial additive is HACCP registered.

## BIOCLAD

www.bioclad.com

t. +44 (0) 330 100 0313 e. sales@bioclad.com