

HYGICLAD®

Cost Effective Hygienic **Wall Cladding** **Technical Guide**



Simple Cost Effective Wall Cladding Solution

Proven for its high quality, **HYGICLAD® hygienic wall cladding system** provides an ideal solution where a simple white wipe-clean surface is required for practical or health and safety reasons.

HYGICLAD® achieves an excellent fire rating of BS476-PT7 which enables the system to be specified in accordance with building regulations, whilst its high impact strength ensures a quality, long-life finish. HYGICLAD® sheet offers the most cost effective option, without sacrificing quality.



Common uses:

- ✓ Washrooms
- ✓ Private Healthcare
- ✓ Nursing Homes
- ✓ Mental Health Institutions
- ✓ Food Preparation Areas and Bakeries
- ✓ Butchers and Cold Storage Areas
- ✓ Milking Parlours
- ✓ Cloakroom and WC Areas
- ✓ Equestrian Centres
- ✓ Shower and Changing Areas
- ✓ Hospitals
- ✓ Laboratories

Qualities:

- ✓ High Impact Strength
- ✓ Easy to Cut Onsite
- ✓ Excellent Wipe Clean Surface
- ✓ UV Stabilised
- ✓ Durable
- ✓ Class 1 Fire Rating
- ✓ Can be Fixed Entirely with Specialised Adhesive
- ✓ Excellent Seal with Silicones



HYGICLAD® : Hygienic Sheets and Joints

HYGICLAD®: 2.5mm Sheets

Size	Description	Code
1220 x 2440mm	Hygienic Sheet - White	AH21
1220 x 3050mm	Hygienic Sheet - White	AH22
605 x 605mm	Hygienic Sheet - White	AH23
605 x 1215mm	Hygienic Sheet - White	AH24
605 x 2440mm	Hygienic Sheet - White	AH25
605 x 3050mm	Hygienic Sheet - White	AH26
1220 x 1215mm	Hygienic Sheet - White	AH27



Inline Joint



HYGICLAD®: Inline Joint

Size	Description	Code
3050mm	Inline Joint - White	AH31

HYGICLAD®: J-End Trim

Size	Description	Code
3050mm	J-End Trim - White	AH36

J-End Trim



HYGICLAD®: Corners

Size	Description	Code
3050mm	External Corner - White	AH32
3050mm	Internal Corner - White	AH33

External Corner



Internal Corner



HYGICLAD® Hygienic Wall Cladding System

The HYGICLAD® wall cladding system provides high quality hygienic wall cladding that is easy to install to give the perfect finish.



HYGICLAD® : Technical Data

HYGICLAD® has a diverse range of practical applications in healthcare, cleanrooms, laboratories and food preparation areas, and it's success speaks for itself, however, many complex specifications require further technical detail including physical, thermal, mechanical, electrical and re-resistance properties which are set out as guidelines below:

HYGICLAD®: Typical Properties

	Property	Method	Conditions	Units	HYGICLAD® Sheet
Physical	Water absorption	–	24hrs at 23°	–	–
	Density	(D-1505)	–	g/cm³	1.4
Thermal	Heat deflection temperature	(D-648)	Load: 1.82 MP	°C	65 – 68
	Service temperature range	–	–	°C	–20 to +50
	Thermal conductivity	(C-177)	–	W/m K	0.15
	Coefficient of linear thermal expansion	(D-696)	–	cm/cm °C	6.7 x 10 ⁻⁵
Mechanical	Impact falling weight	(ISO 6603/1)	–	J	95
	Impact strength	Notch Charpy	–	–	–
	Rockwell hardness	(D-785)	–	R scale	97R
	Tensile strength at yield	(D-638)	10mm/min	MPa	52
	Tensile strength at break	(D-638)	10mm/min	MPa	40
	Elongation at yield	(D-638)	10mm/min	%	3
	Elongation at break	(D-638)	10mm/min	%	75
	Tensile modulus elasticity	(D-638)	1mm/min	MPa	2,900
	Flexural strength	(D-790)	1mm/min	MPa	80
Electrical	Surface resistance	–	–	Ohm	–
	Volume resistance	–	–	Ohm/cm	–

*ASTM except where noted otherwise.

HYGICLAD®: Specialist Adhesives

HYGICLAD® specialist bonding adhesives are developed through advanced polymer technology and are recommended for use with the system. HYGICLAD® bonding adhesives offer greater adhesion strength and the long open-time of this product allows repositioning of the cladding sheet during fixing. For situations requiring a very high initial grab (e.g. ceiling cladding) the high-tack version of the adhesive is recommended.

HYGICLAD®: Flammability

Fire Standard	HYGICLAD® Sheet
DIN 4102	B-1
BS 476 / 7	Class 1
NSP 92501,5	M-1
NSP 92501,5	M-2
CSE RF 3 / 77	Class 1
UL 94	V-0
ASTM D-635	SE

HYGICLAD®: Chemical Resistance

Excellent	Mineral Acids, Alkalies, Plating Solutions, Paper Making Chemicals, Pickling Solutions, Other inorganic solutions and fumes thereof
Good	Alcohols, Aliphatic Hydrocarbons, Glycols, Amines, Phenols
Poor	Ketones, Aromatic Hydrocarbons, Chlorinated Solvents, Some Esters and Ethers

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