



Jemiclad PRO

The Ultimate Wall Protection

The Best solution for welded 2.5 mm PVC wall protection for healthcare, veterinary, dental, labs, cleanrooms, seniors housing, hospitals and so much more.

Jemiclad
 **North America** 

Jemiclad PRO
Hygienic protection for ceiling and wall cladding

Properties

- Resistance to a great many chemicals
- SoN porous pure PVC protection
- Colour match weld rod
- Antimicrobial protection for the life of the product
- Antibacterial properties unaffected by processing
- DIN 22196:2011
- Food grade
- Easy care
- Resistance unaffected by frequent cleaning
- Impermeable, air and watertight system
- Low maintenance
- Shock resistant
- Joints can be welded superbly
- List of elite certified installers globally available
- Internal and external angles can be heat formed to increase protection
- Chemical resistant

Environmental protection of tested reliability

Correct storage

Always store Jemiclad sheets on a level surface in a dry, air conditioned environment at about 15–20 °C. The packaged sheets may not be exposed to weathering effects and direct sunlight.

Ecological manufacture

In line with our environmental guidelines, Jemiclad PVC-U sheets are safe for humans and the environment during their manufacture, use, and disposal. They are free of formaldehyde, asbestos, lindane, PCB, PCP, CFCs, cadmium, and lead and do not contain any monomers, biocides, or plasticizers. At the end of their service lives, the sheets or sheet residue can be recycled. They are processed in shredders or grinders and then introduced to the manufacturing process for new sheets.

Certified quality

True to our “**Ever better principle**”, the acclaimed high quality of Jemiclad products bear the hallmarks of our research and development work as well as decades of experience with synthetic materials. Tests are conducted over all stages from the incoming raw materials to the final inspection of the finished products. Regular examinations by independent testing institutes confirm this high level of care. Logically, our quality assurance system has been DIN ISO 9001 certified.



Hygienic, Washable and Durable Protection for Life!

Jemiclad Pro sheets and weld offer active hygienic product protection, continually reducing microbial growth, keeping the cladding and weld free from microbial degradation. The sheets are designed for cladding walls and ceilings and are resistant to flames and many chemicals.

Jemiclad sheets satisfy the standards demanded by health authorities for food plants, medical facilities, catering firms and many other areas (DIN 22196:2011) The sheets antimicrobial properties offer product protection against microbial degradation.

The antimicrobial protection does not protect users or others against disease causing microbes or harmful organisms. The technology is not a replacement for cleaning protocols.



Overview of applications

Public areas

Household kitchens
Professional kitchens
Catering
Canteens
Sports school pools
Showers
Laundries

Medical areas

Healthcare pools Laboratories
Pharmaceutical areas
Retirement and nursing homes Hospitals
Mortuaries

Food areas

Food production Cold
stores Clean rooms

Protect & Defend

Dimensions and thicknesses (mm)

2500 x 1220 x 2,5
3000 x 1220 x 2,5

White
similar
RAL 9003

x
x



Round The Clock Hygienic Protection.

Protection in healthcare

Healthcare associated infections such as MRSA acquired during hospital stays are the most common complications of hospital care and one of the most serious patient safety concerns.

Jemiclad is used in hospitals, dental surgeries, care homes and GP practices around the world in products ranging from nurse call stations to wall and ceiling protection.

Protection for food processing and catering

Throughout the food chain, good hygiene practices are essential to prevent the spread of E.coli, Campylobacter, Listeria and Salmonella. Jemiclad can reduce food contamination from bacteria - and the risk of food poisoning - throughout its preparation, processing, packing and distribution. For example, Jemiclad Pro is a great application for farming, slaughter, processing and packaging of fresh meat products through every stage between farm and fork.

Restaurants also use Jemiclad technology in kitchens, dish pits, janitor closets, coolers as well as dry and cold storage areas.

Wherever large numbers of people gather together, the chances of exposure to germs and the risk of cross-infection increase. Some office germ hot-spots carry more harmful bacteria than the average toilet seat.

Jemiclad Prom is easily added to any frequently touch walls in the workplace, giving added and ongoing protection against harmful bacteria.

Protection in education

Even if a nursery or a classroom starts out clean, germs can build up throughout the day. Harmful bacteria collect on frequently touched surfaces, especially in areas where there is a lot of hand-to-mouth contact, lunch rooms, locker rooms, play areas, nap areas and storage closets, washrooms and janitor closets.

Tested and compliant

We know Jemiclad is highly effective at aiding in the reduction of bacteria levels but it is essential you are just as confident that your Jemiclad finished product is as effective as we say.

That's why our testing to the latest ISO standards is completely independent and conducted only at leading laboratories.

We also work closely with our customers to ensure they comply with the required regulations regarding the manufacture, importing and marketing of Jemiclad products.



■ Technical Data

Mechanical properties	European Standard	USA Standard	Unit	WA
Apparent density*	DIN EN ISO 1183	ASTM D792	g/cm ³	~ 1,43
Yield stress (tensile strength)	DIN EN ISO 527	ASTM D638	Mpa	³ 55
Elongation at tear	DIN EN ISO 527	ASTM D638	%	³ 15
Flexural strength	DIN EN ISO 178	ASTM D790	Mpa	³ 80
Compressive strength	Based on DIN EN ISO 844		Mpa	³ 70
Modulus of elasticity	DIN EN ISO 527-2/1A/50	ASTM D638	Mpa	³ 3000
Notched impact strength	DIN EN ISO 179-1ePA	ASTM D256	KJ/ m ²	>8
Impact strength	DIN EN ISO 179		KJ/ m ²	
0 °C				no failure
-20 °C				-
-30 °C				-
-40 °C				-
Water Vapour Transmission		ASTM E96	g/m ² /24hr	<0.12
Ball indentation hardness (358 N/30 s)	DIN EN ISO 2039		Mpa	~ 100

Thermal properties	European Standard	USA Standard	Unit	WA
Vicat softening temperature	DIN EN ISO 306 (Process B50)		°C	75
Deflection temperature	DIN EN ISO 75	ASTM D648	°C	60
Coefficient of linear thermal expansion from – 30 °C to + 50 °C	DIN EN ISO 11359-2 (Process Ae)		mm/mK	0,08
Thermal conductivity from 0 °C to + 60 °C	DIN EN ISO 22007	ASTM C177	W/mK	0,16

Certifications

Properties	Standard	Unit	Value
Water absorption after 7 days	DIN EN ISO 62	%	<0.08
Fire behaviour: surface spread of flame	BS 476 Part 7 (1987)	Class 1 Class 1Y	1–4 mm 2.5–3 mm
Fire behaviour: fire propagation	BS 476 Part 6 (1989)	Class 0	
Fire behaviour	DIN 4102 (DE) NF P 92-501 (FR) USA – ASTM E84 Class A CAN – Can/UCL-S102.2 UL 94 (USA)	B1 M1 M2 V0/5VB	1–3 mm 1.2–8 mm 10–30 mm 1–30mm
	AS NZS 3837 1998 Tested EN13501B-S3-D0		

For chemical resistance properties please visit the website

www.jemicladcanada.com



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