



# Jemiclad

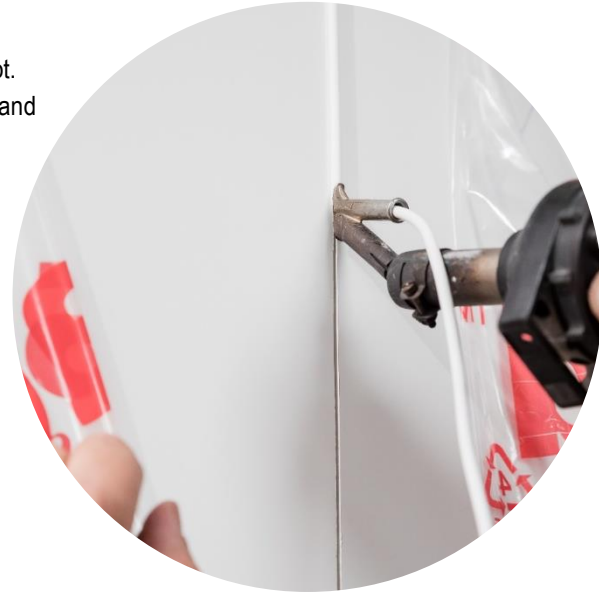
**Jemiclad Pro is a certified hygienic wall and ceiling lining system, making it the go-to wall protection for Operating Rooms to Ablutions, whether Wainscot or Full Height**

Jemiclad can be heat formed to wrap internal and external corners, combined with welded joint method will provide the ultimate protection.

**We've got you covered.**

## Specified and trusted by

- Health Park Medical Centre, Fort Myers, USA - Operating Rooms.
- VCA (Veterinary Centre), Calgary, Canada - Operating Theatres and Wainscot.
- Annabel's (Billionaires Club), London, UK - Kitchens, staff toilets & showers and wainscoting.
- Ivy Restaurant, Dublin, Ireland - Kitchens.
- Polak Spice Factory, Amsterdam, Holland - Staff changing, showers & toilets and wainscoting.
- University of the West Indies, Kingston, Jamaica - Operating Theatres.
- Prince Sultan Military Medical City, Riyadh, Saudi Arabia - Operating Theatres.
- De Goe Smete (10 Pin Bowling), Poperinge, Belgium - Kitchens and Customer toilets.
- Ministry of Defence, HMS Sultan, Gosport, UK - Showers and toilets
- Plub Leisure Centre, Pirmasens, Germany – Kitchens and Showers.



## Product Description

Jemiclad Pro is a specially engineered 2.5mm homogeneous, smooth and non-porous wall and ceiling lining, that can be head formed around internal and external corners, reducing the need for corner guards. All joints can either be finished with a colour matched co-extruded trim or a hot air weld with a colour matched flexible PVC weld rod, then neatly trimmed off flush to give the ultimate hygienic surface, and a seamless finish which creates an airtight and watertight lining, which is a must have to tackle the constant fight with infection control. Jemiclad Pro is a clear investment that will give returns 24/7 for years to come.

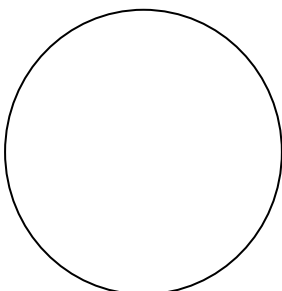
The three part specification is available from our website below.

- Durable and Hygienic.
- Excellent for Welding and Thermoforming.
- Can be printed on (see our PhotoJemic range).
- Can be combined with Jemiclad's other wall cladding products.
- ASTM E84 Class A fire rated, BS Class 0 Fire Propagation and Class 1 Spread of Flame, CAN UCL S102.2 tested and AUS-ASNZS 3837 1998 Group 1, EU EN13501B-S3-D0.
- Chemical Resistant and great impact resistance.
- 20 year product warranty.
- Can be combined with flash coving, poured floors and traditional tiles.

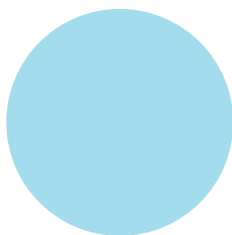


## Typical Applications

- Health Care
- Commercial Kitchens
- Operating Theatres
- Pharmaceutical
- Clean Rooms
- Education
- Corridors
- WC's
- Storage Areas
- Shower Rooms



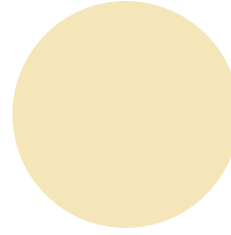
White | LRV84



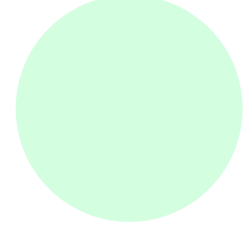
Pastel Blue | LRV52



Pastel Grey | LRV54



Pastel Cream | LRV66



Pastel Green | LRV70



Jemiclad is fully bonded to the substrate using Jemifix all over adhesive eliminating the possibility of bacteria growth or vermin behind the panel. Once cured, the Jemifix 2-part adhesive is strong enough to prevent the panel from expanding and contracting, the curing time can be as little as 2 hours.

Installation times are improved over comparable systems due to the panels flexibility, working weight (single engineer), thermoformed corners, speed of cutting, adherence, jointing and cleaning.

A typical Operating Room can be installed in a single night shift and handed back hours after completion.

Jemiclad is a fully certified system holding the USA ASTM E84 Class A, CAN - Can/UCL-S102.2 and UK BS Class 0 fire certifications.



## Panel Sizes

Size	Weight
2500x1220mm (8x4') 2.5mm Thick	10.9kg (24lbs)
3000x1220mm (10x4') 2.5mm Thick	13.1kg (29lbs)
2750x1220mm (9x4') 2.5mm Thick (White and Pastel Grey only)	12kg (26lbs)

## Environmental protection of tested reliability

### Correct storage

Always store Jemiclad sheets on a level surface in a dry, air conditioned environment at about 59 – 68 °F (15–20 °C). The packaged sheets may not be exposed to weathering effects and direct sunlight.

### Ecological manufacturing

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 plasticisers. 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 our 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.



Jemiclad hygienic cladding can be printed on for a stunning visual effect. We call it PHOTOJEMIC...



Waiting Areas



## Guidelines for selecting images for PhotoJemic

The first thing to discuss with your client or designer is the size of the finished print and the quality of the file that is needed to create the print. An image used for A4 or A3 magazine prints for example will not provide the quality required when stretched to the size of a Jemiclad panel.

To work out the maximum size that an image can be printed, you can divide the height and width in pixels by the resolution in DPI, which will give you the size in inches.

For example; if an image is 3000x2000 pixels divide this by 300 DPI (high-resolution).

$3000px / 300dpi = 10 \text{ inches}$  ,  $2000px / 300dpi = 6.66 \text{ inches}$

So a 3000x2000 pixel image will give you a high-resolution print at 10x6.66 inches.

If you are not viewing the image close up, for example, it is printed on a wall panel installed behind a reception desk you could reduce the resolution down to 75 DPI.

The lower the DPI the lower the resolution.

Pixels	Length at 300 DPI	Length at 150 DPI	Length at 75 DPI
5000	440mm / 17"	880mm / 34"	1760mm / 68"
10000	880mm / 34"	1760mm / 66"	3520mm / 132"
15000	1320mm / 50"	2640mm / 100"	5680mm / 200"
20000	1760mm / 67"	3520mm / 134"	7040mm / 268"

The second thing to think about is the viewing distance. The larger the image, the further away the viewer will need to be to see the entire image, however, if the view can get close to the image it may still appear pixelated.

Item	Size	Viewing Distance	DPI
Postcard	4" x 6"	8"	859
Letter	8.5" x 11"	14"	491
Poster	36" x 48"	5ft	114
Bus Shelter Advertisement	47" x 68"	7ft	83

The final thing to think about is the image proportions.

If you print a landscape image in portrait for example, large sections of the image will be cropped to prevent image distortion.

And like wise if a portrait image was printed in landscape.

Once an image is chosen that matches the above criteria a proof will be created showing any cropping or joint trims. This proof will need to be signed off prior to production.





Lobbies



Reception Areas



Servery Areas

## Technical Data

Mechanical properties	European Standard	USA Standard	Unit	WA
Apparent density*	DIN EN ISO 1183	ASTM D792	g/cm <sup>3</sup>	~ 1,43
Yield stress (tensile strength)	DIN EN ISO 527	ASTM D638	Mpa	≥ 55
Elongation at tear	DIN EN ISO 527	ASTM D638	%	≥ 15
Flexural strength	DIN EN ISO 178	ASTM D790	Mpa	≥ 80
Compressive strength	Based on DIN EN ISO 844		Mpa	≥ 70
Modulus of elasticity	DIN EN ISO 527-2/1A/50	ASTM D638	Mpa	≥ 3000
Notched impact strength	DIN EN ISO 179-1ePA	ASTM D256	KJ/ m <sup>2</sup>	>8
Impact strength	DIN EN ISO 179		KJ/ m <sup>2</sup>	
	0 °C			no failure
	-20 °C			-
	-30 °C			-
	-40 °C			-
Water Vapour Transmission		ASTM E96	g/m <sup>2</sup> /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	1–4 mm
		Class 1Y	2.5–3 mm
Fire behaviour: fire propagation	BS 476 Part 6 (1989)	Class 0	
Fire behaviour	DIN 4102 (DE)	B1	1–3 mm
	NF P 92-501 (FR)	M1	1.2–8 mm
	USA – ASTM E84 Class A	M2	10–30 mm
	CAN – Can/UCL-S102.2		
	UL 94 (USA)	V0/5VB	1–30mm





## Contact us

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## Visit us on the internet

Further details on the extensive products offered by Jemiclad can be found here:

