



Protect and Defend **the ultimate antimicrobial system.**

The only solution where antimicrobial technology is an integral part of the panel and weld rod protecting it from microbial degradation for its lifetime.



Jemiclad

Protect and Defend Antimicrobial protected ceiling and wall cladding

■ Properties

- Resistance to a great many chemicals
- Silver antimicrobial product protection
- Antimicrobial 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
- Elite certified installers globally
- Internal and external angles can be heatformed 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 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.



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www.jemiclad.co.uk www.jemicladusa.com

Antimicrobial protection for life!

Jemiclad Protect and Defend Antimicrobial sheets and weld offer active silver ion antimicrobial product protection, continually reducing microbial growth, keeping the cladding and weld free from microbial degradation. The sheets re 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
- Sportsschool pools
- Showers
- Laundries

Medical areas

- Healthcare pools Laboratories
- Pharmaceutical areas
- Retirement and nursing homes
- Hospitals
- Mortuaries

Food areas

- Food production
- Cold stores Clean rooms

Delivery programme and colours

Dimensions and thicknesses (mm)

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

Protect & Defend

White
similar
RAL 9003

- x
- x



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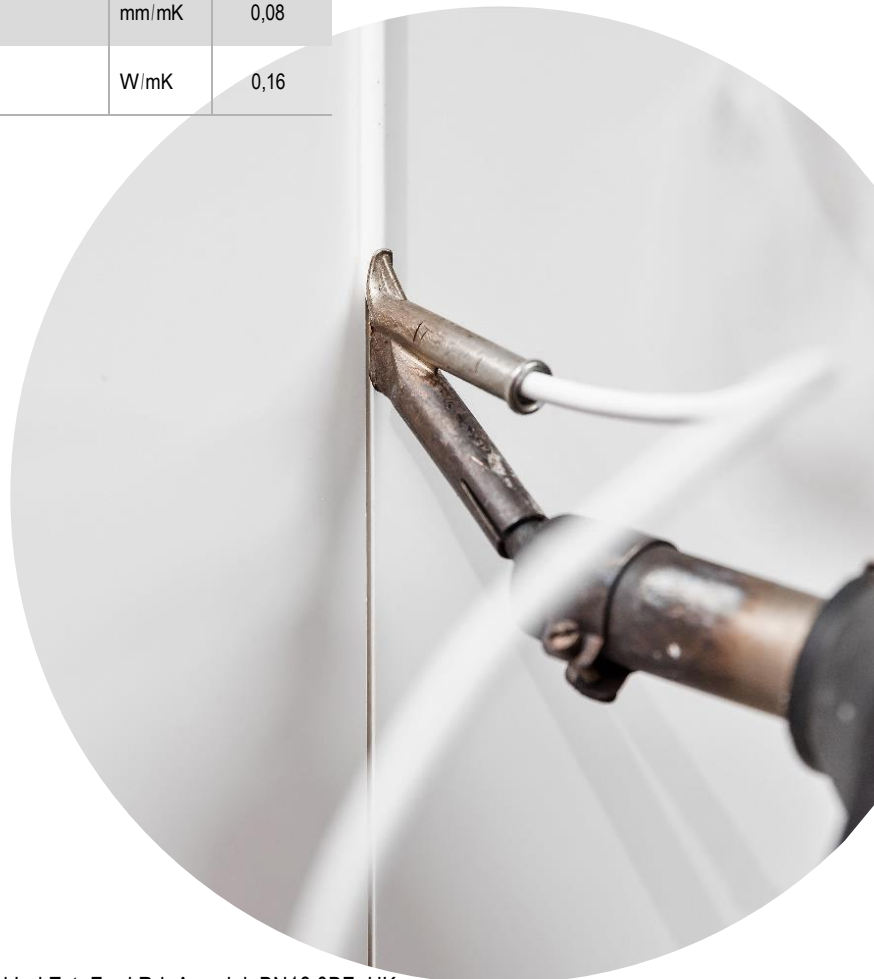
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Technical Data

Mechanical properties	Standard	Unit	WA
Apparent density*	DIN EN ISO 1183	g/cm ³	~ 1,43
Yield stress (tensile strength)	DIN EN ISO 527	MPa	≥ 55
Elongation at tear	DIN EN ISO 527	%	≥ 15
Flexural strength	DIN EN ISO 178	MPa	≥ 80
Compressive strength	Based on DIN EN ISO 844	MPa	≥ 70
Modulus of elasticity	DIN EN ISO 527-2/1A/50	MPa	≥ 3000
Notched impact strength	DIN EN ISO 179-1ePA	KJ/ m ²	≥ 4
Impact strength	DIN EN ISO 179	KJ/ m ²	
	0 °C		no failure
	-20 °C		-
	-30 °C		-
	-40 °C		-
Ball indentation hardness (358 N/30 s)	DIN EN ISO 2039	MPa	~ 100

Thermal properties	Standard	Unit	WA
Vicat softening temperature	DIN EN ISO 306 (Process B50)	°C	≥ 75
Deflection temperature	DIN EN ISO 75	°C	~ 68
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	W/mK	0,16



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Jemiclad

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Visit us on the internet

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

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With best regards:



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