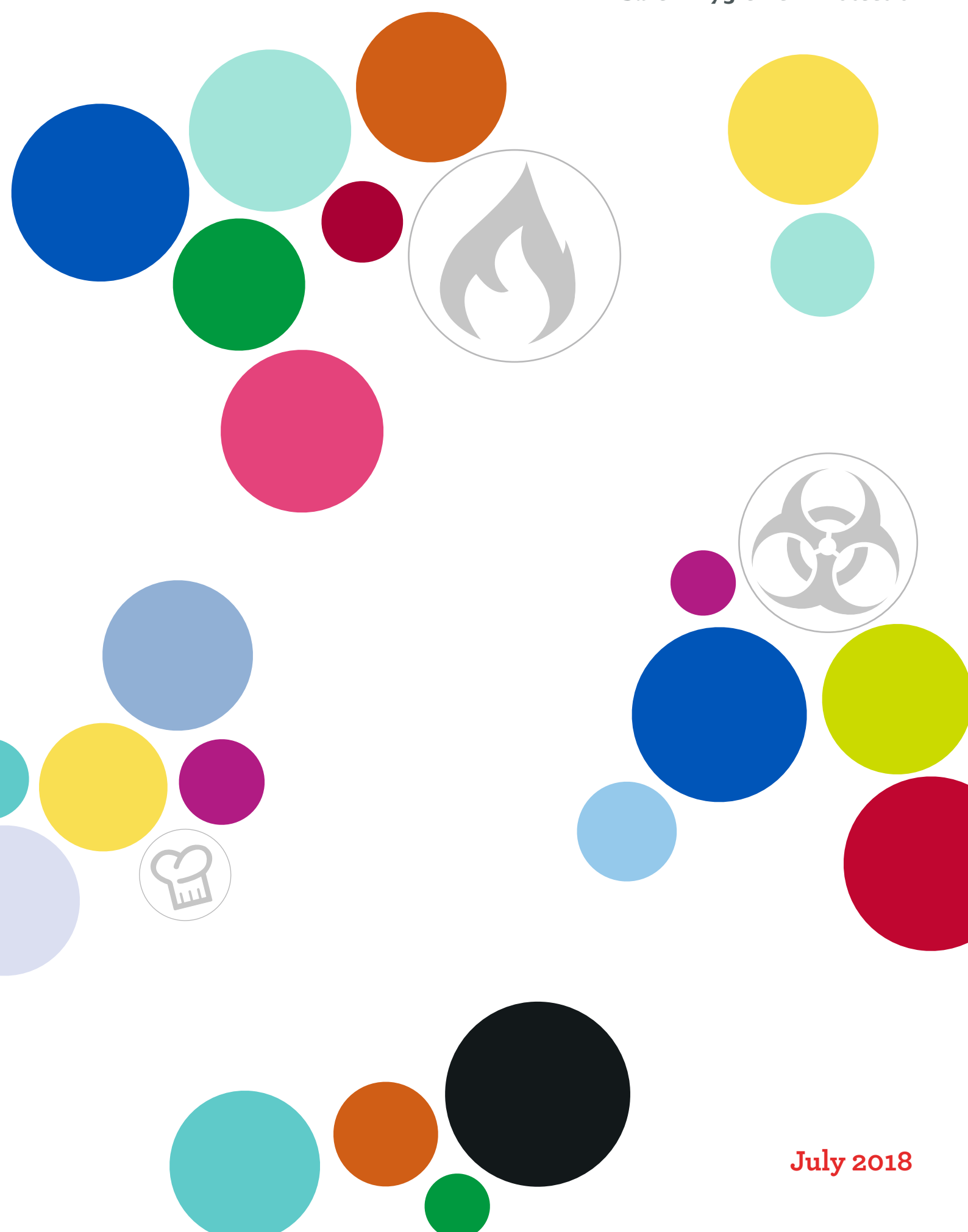


# Jemiclad

Safe • Hygienic • Protection



July 2018

# Where Jemiclad works



**Commercial Kitchens**



**Gyms**



**Leisure Facilities**



**Animal Facilities**

# Why choose Jemiclad?

With 30 years' experience in the supply and installation of over 1 million square metres of hygienic cladding, Jemiclad has a wealth of expertise and knowledge of hygienic and highly demanding environments.

We are able to respond to and assist with understanding new regulations or any other challenges you may have with your project.

Jemiclad is available across the UK and internationally and is perfect for restaurants and fast food outlets, hospitals and other medical settings, care homes, gyms, schools and other hygienic environments.

**Hygienic cladding systems need to live up to their promises. Jemiclad doesn't disappoint.**

## The Product

Jemiclad is an effective wall covering where hygiene or ease of cleaning is paramount. It is manufactured from the highest quality PVCu resin, without fillers, so it is 100% recyclable and has a Class 0 fire rating.

The cladding sheets are very easy to handle and cut. The excellent bonding results allow for fast and efficient installation, and they can be hot welded superbly and thermoformed (with the exception of our slightly thinner Sureclad panel).

## Jemiclad Ranges

**Jemiclad Pro** - 2.5mm subtle-coloured satin-finished panels, ideal for the healthcare industry.

**Jemiclad Supreme** - 2.5mm subtle-coloured gloss-finished panels, practical in a variety of environments.

**Jemiclad Ablaze** - 2.5mm panels, that are very similar to the Supreme range, but are available in a range of bold colours.

**Jemiclad PhotoJemic** - Lets you believe in your ideas to create your image that is hygienic & durable.

**Jemiclad Earth** - 2.5mm panels that create a high sanitation environment. Versatile and in a broad range of colours

**Jemiclad FR** - Our fire resistant panel that boasts lowest smoke rating on the market at Class 0.

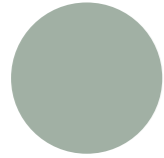
**Jemiclad Protect & Defend** - A new antimicrobial panel that is ideal for use in environments needing the highest level of hygiene.

**Jemiclad Sureclad** - A system created for the catering and back-of-house environments. Sureclad is easy to work with and has all the technology of our other ranges, including a Class 0 fire rating. We do not recommend welding Sureclad.

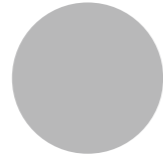
Jemiclad is stocked, supplied and specified throughout the UK, Ireland, UAE, Canada and the USA. Contact [sales@jemiclad.co.uk](mailto:sales@jemiclad.co.uk)

# Jemiclad Range

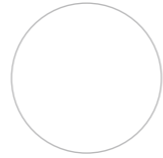
## Jemiclad Supreme Colours



The Olive One - S01



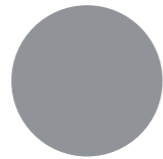
The Light Grey One - S02



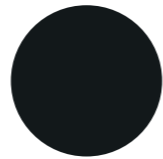
The White One - S03



The Oyster White One - S04

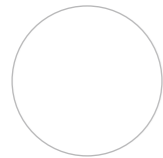


The Dark Grey One - S05



The Black One - S06

## Jemiclad Pro Colours



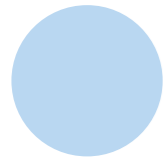
White Satin - S07



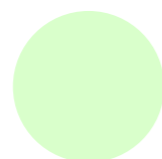
Pastel Cream - S08



Pastel Light Grey - S09

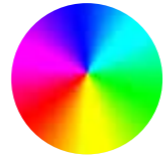


Pastel Blue - S10



Pastel Green - S11

## Bespoke colours



Choose your own colour  
(minimum quantities apply)

## Jemiclad Sureclad



White Satin - S12

## Jemiclad Protect and Defend



White Antimicrobial - S13

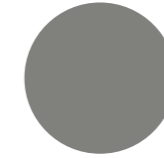
## Jemiclad FR



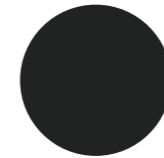
White Low Smoke - S14

# Jemiclad Range

## Jemiclad Earth Colours



Dolphin Grey - S15



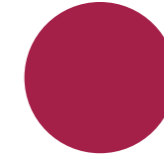
Black Ice - S16



Candy Floss - S19



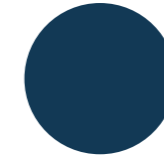
Enchanted - S22



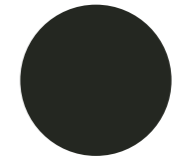
Siren - S18



Jade - S21



Bluebird - S24



Granite - S17

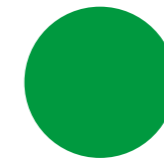


Sugar Plum - S20



Peacock - S23

## Ablaze Colours



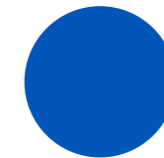
The Dark Green One - S25



The Yellow One - S26



The Lime One - S29



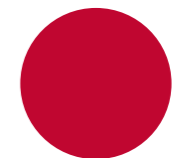
The Royal Blue One - S28



The Sea Green One - S31



The Orange One - S27



The Bright Red One - S30

# Jemiclad Protect and Defend



**Protect the patients, and defend the staff..**

**Jemiclad are proud to introduce their first antimicrobial panel with silver iron technology killing 99.9% most superbugs known to man!**

The silver iron technology can be traced throughout the panel for its entire lifetime, giving you peace of mind that you have specified the safest wall finish on the planet.

# Photojemic—Believe in yourself



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



As shown above, any photo can be applied to Photojemic

# Photojemic—Believe in yourself



A calming picture while waiting in the dentist's reception area...

# Photojemic—Believe in yourself



Create an atmosphere in your restaurant or place of work from the above or a city slicker slurping from their ramen bowl...



An accent wall for a hotel bedroom that can take a knock. Any Jemiclad range can be used as a corridor wall protection. Create your corporate colour using Jemiclad Bespoke colours.



Give your hotel bathrooms the 'WOW' factor or a simple back panel for suitcase protection...

# Jemiclad Technical Details

Mechanical Properties	Standard	Unit	Value
Apparent density	DIN EN ISO 1183	g/cm <sup>3</sup>	-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	DIN EN ISO 844	MPa	≥70
Modulus of elasticity	DIN EN ISO 527-2/1A/50	MPa	≥3000
Notched impact strength	DIN EN ISO 179-1 @PA	KJ/M <sup>2</sup>	≥4
Impact strength	DIN EN ISO 179	KJ/M <sup>2</sup>	
	0°C/32°F		No Failure
Ball indentation hardness (358N/30s)	DIN EN ISO 2039	W/mK	-100

Thermal Properties	Standard	Unit	Value
Vicat softening temperature	DIN EN ISO 306 (Process B50)	°C °F	≥75 ≥167
Deflection temperature	DIN EN ISO 75	°C °F	≥-68 ≥-154
Coefficient of linear thermal expansion from 30°C/-22°F to +50°C/+122°F	DIN EN A1359-2 (process Ae)	mm/mK	0.08
Thermal conductivity from 0°C/32°F to 60°C/122°F	DIN EN ISO 22007	W/mK	0.16

Electrical Properties	Standard	Unit	Value
Dielectric constant E <sub>r</sub> (at 1kHz)	VDE 0303 T4		3.4
Dielectric loss factor tan δ (at 1kHz)	VDE 0303 T4		0.016
Surface resistance	DIN VDE 03030 T30 DIN IEC 93	Ω	≥10 <sup>15</sup>
Volume resistivity	DIN VDE 03030 T30 DIN IEC 93	Ω · m	≥10 <sup>14</sup>
Dielectric strength	DIN VDE 03030 T21 1mm sheet	KV/mm	≥23
Tracking resistance	DIN IEC 112	Level	CTI 600
Arc resistance	DIN VDE 0303 TS	Index	2.2.2.2

Other 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)	B1	1-3 mm
	NF P 92-501 (FR) USA - ASTM E84 Class A CAN - Can/UCL-S102.2	M1 M2	1.2-8 mm 10-30 mm
	UL 94 (USA)	V0/5VB	1-30mm
Physiological assessment	Generally recognised as safe		

†when fixed to a non-combustible substrate

## Chemical Resistance

Medium Organic Chemicals	Concentration %	Temperature		Medium Inorganic Chemicals	Concentration %	Temperature	
		20°C	60°C			20°C	60°C
Formic acid	10	++	++	Ammonia	24	++	-
Formic acid	100	++	+	Chromosulphuric acid	-	++	0
Aniline	-	-	-	Potash lye	10	++	++
Ethanol	-	++	+	Aqua regia	-	++	0
Benzine-benzene mixture (BV-Aral)	-	-	-	Sodium Chlorite	40	++	++
Benzene	-	-	-	Sodium dithionite	10	++	++
Butanol	-	++	++	Sodium hypochlorite	40	++	++
Cyclohexane	-	++	+	Soda lye	10	++	++
Cyclohexanol	-	++	++	Soda lye	40	++	++
Decalin	-	++	++	Phosphoric acid	10	++	++
Diesel fuel	-	++	-	Phosphoric acid	95	++	++
Diethyl ether	-	-	-	Nitric acid	10	++	++
Pure acetic acid	-	++	-	Hydrochloric acid	10	++	++
Acetic acid	10	++	++	Hydrochloric acid	35	++	++
Formaldehyde	-	++	+	Sulphuric acid	10	++	++
Glycol	-	++	++	Sulphuric acid	96	++	++
Fuel oil	-	++	k.A.				
Heptane	-	++	-				
Hexane	-	++	++				
M-cresol	-	+	-				
White spirit	-	++	0				
Machine oil	-	++	++				
Methanol	-	++	+				
Olive oil	-	++	++				
Petroleum ether	-	++	+				
Turpentine	-	++	0				
Toluene oil	-	-	-				
Transformer oil	-	++	++				
Xylene	-	-	-				

++	good resistance	Weight difference under 1%
+	resistant	Weight difference 1-5%
0	partially resistant	Weight difference 5-10%
-	non-resistant	

**Jemiclad**  
Safe • Hygienic • Protection

# The Details

Safe • Hygienic • Protection

## HYGIENIC WALL CLADDING UPVC WALL CLADDING SHEET

PVCu linings to walls & ceilings:

Sheet	Extruded semi-rigid PVCu sheet, EU grade
Maximum service Temp	60°C
Fire rating	BS 476 Part 7 (1987) surface spread of flame - Class 1 BS 476 Part 6 (1989) fire propagation - Class 0* DIN EN 13501-1 B-S2 d0 DIN EN 13501-1 B-S3 d0 *when fixed to a non-combustable substrate
Manufacturer	Jemiclad Ablaze
Product Reference	Jemiclad Pro (satins) Jemiclad Supreme (gloss) Jemiclad Protect and Defend Jemiclad FR Jemiclad Sureclad Jemiclad Photojemic Jemiclad Earth
Width	1220mm
Length	2440/2500mm or 3000mm
Thickness	2.5mm or (Sureclad) 2.0mm
Surface finish	Satin or gloss
Colour	White and various gloss & satin
Light reflectance values	68-93 (ask for details)
Adhesive	Jemifix

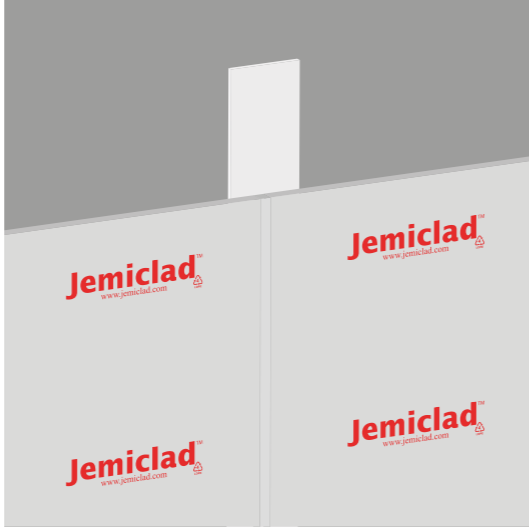
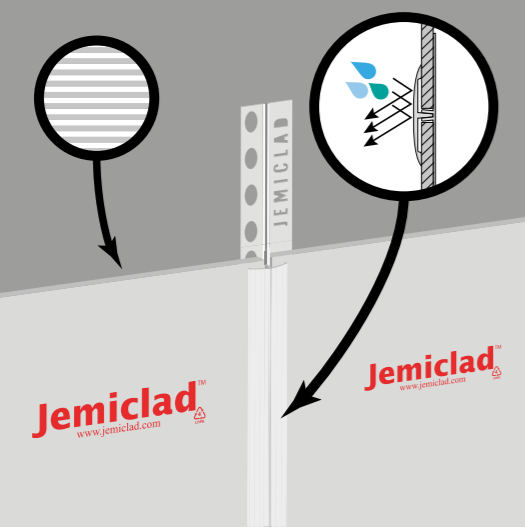
Jemiclad reserves the right to change any product specification, design or description without prior notification. We cannot accept any responsibility or liability for any loss or damage that occurs as a result of an error or omission in this brochure

# Where Jemiclad is trusted...



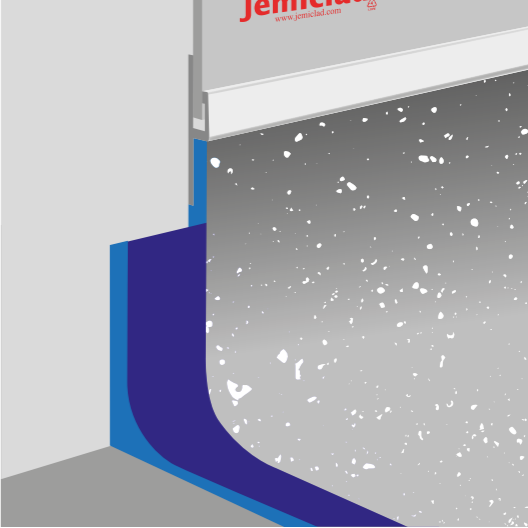
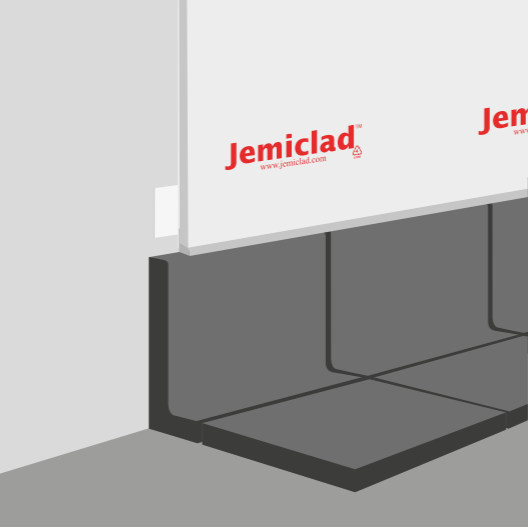
# Installation options

PVC division bar (H-trim) 2-part



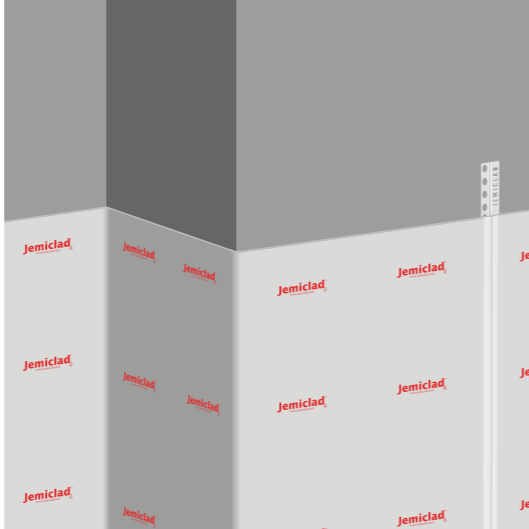
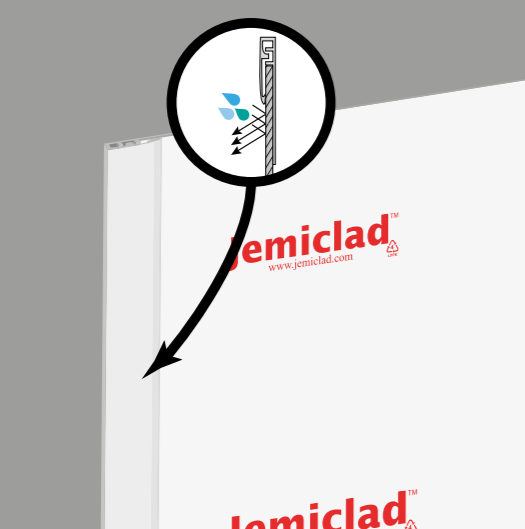
Welded joint detail

Jemiclad to quarry tile floor detail



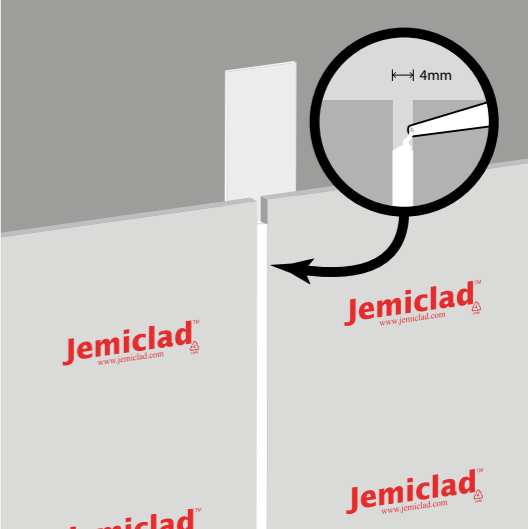
Jemiclad to resin flooring joint detail

PVC edge trim (J-trim)



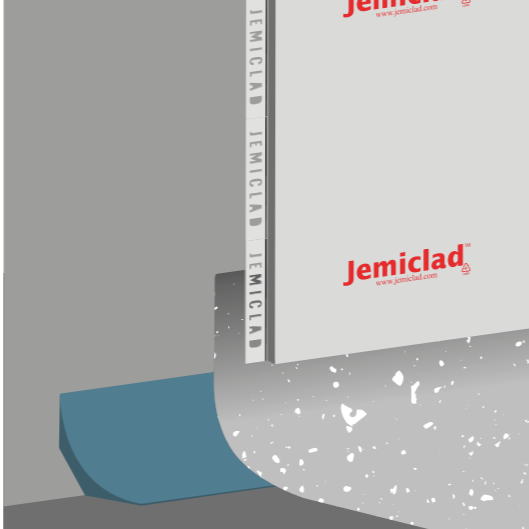
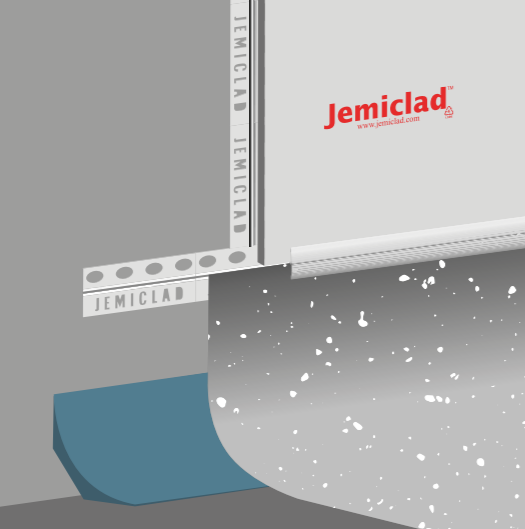
Thermoformed corners

Self-coved with cove former & capping seal



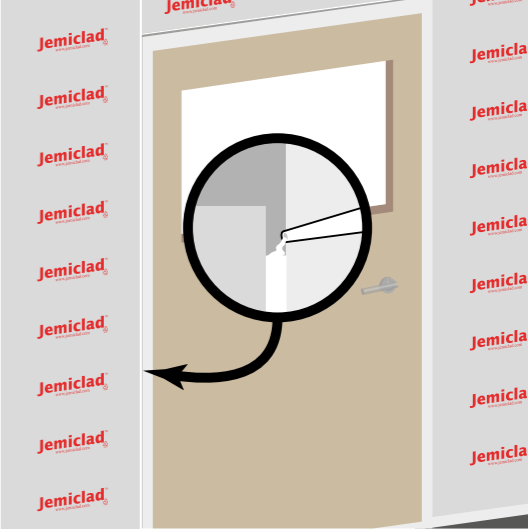
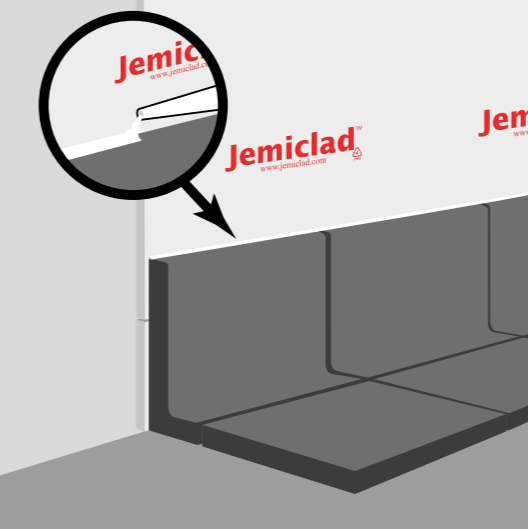
Cold weld joint detail (mastic)

Vinyl floor 2-part joint detail



Vinyl floor overlay detail

Jemiclad under quarry tile detail



Jemiclad to door architrave detail





# Jemiclad

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**July 2018**