



KLEENCLADTM
Antimicrobial Cladding



KLEENCLAD FOR THE PHARMACEUTICAL INDUSTRY
Antimicrobial Wall Cladding for Compliance, Safety, and Operational Excellence

www.kleenclad.com



Overview

Kleenclad offers a high-performance antimicrobial wall cladding system engineered to meet the unique challenges of cleanrooms, production zones, and packaging areas.

Whether you're upgrading an existing facility or designing a new one, Kleenclad helps future-proof your hygiene infrastructure.

Why Kleenclad Works for Pharma

Kleenclad combines advanced material science with practical installation flexibility. Here's how it supports pharmaceutical operations:

Feature	Benefit
Antimicrobial Surface Technology	Inhibits growth of E. coli, Salmonella, Listeria, and other pathogens
Seamless, Non-Porous Finish	Prevents microbial build up and simplifies cleaning routines
Chemical-Resistant & Durable	Withstands frequent sanitization and harsh disinfectants
Easy Retrofit Installation	Minimal disruption to ongoing operations
Regulatory Alignment	Supports GMP, ISO 14644, FDA, and EU Annex 1 hygiene standards
Fire-Rated & Impact-Resistant	Meets safety codes and maintains integrity in high-traffic zones
Low VOC & Non-Toxic Composition	Safe for sterile environments and personnel

Ideal Applications in Pharma Facilities

Kleensclad is versatile across multiple zones within pharmaceutical operations:



Cleanrooms & Sterile Manufacturing Areas

Where particle control and microbial resistance are critical.



API Production Zones

Where chemical exposure and hygiene overlap.



Packaging & Labelling Units

Where visual hygiene and audit readiness matter.



Quality Control & Microbiology Labs

Where contamination risks must be minimized.



Personnel Change Rooms & Entry Points

First line of defence against cross-contamination.

Operational Impact & ROI

Implementing Kleensclad delivers measurable benefits:



Reduces contamination risks and batch rejection rates



Improves audit readiness and visual hygiene perception



Lowers long-term maintenance costs vs. tiles, paint, or PVC



Supports faster cleaning cycles and reduced downtime



Enhances staff confidence in hygiene protocols



Regulatory Alignment & Certifications

Kleenclad is designed to meet or exceed the following standards:



GMP (Good Manufacturing Practices)



ISO 14644 Cleanroom Standards



FDA CFR Title 21 Compliance



EU GMP Annex 1 (Sterile Manufacturing)



FSSAI & CDSCO Guidelines (India)

All materials used in Kleenclad are tested for antimicrobial efficacy, VOC emissions, and surface durability under pharma-grade conditions.

Installation & Technical Support

Kleenclad panels are available in multiple sizes and finishes, with options for:



Flush-mounted or coved edges



Seam welding for sterile zones



Integrated corner protection



Custom colour coding for zone segregation

Our technical team supports:



Site surveys and layout planning



Retrofit strategies for active facilities



Installation supervision and post-install audits



Let's Collaborate

Kleenclad is already supporting pharmaceutical teams across India in elevating their hygiene protocols. If you're planning a facility upgrade, expanding production, or preparing for an audit, we'd love to explore how Kleenclad can support your goals.

