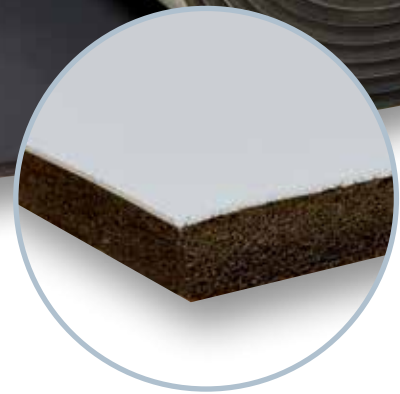




Kaiflex comCLAD

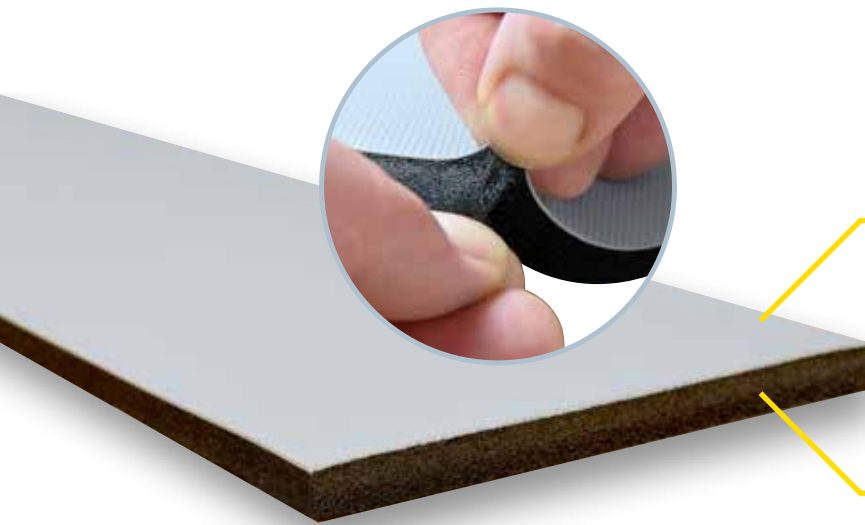
The Alternative. Outperforming metal cladding.



The material

Kaiflex comCLAD is an innovative solution for cladding: Kaiflex Protect R directly bound to an Kaiflex R-FORCE support. Thanks to the new comCLAD technology, extensive and thus risky wet glueing of insulation material is no longer neces-

sary. It's the safest and easiest way to apply a closed, tight flexible cladding. No warping, no wrinkles, smooth and equal surface, easy and safe bonding (rubber foam to rubber foam).



kaiflex[®] PROTECT R

0,8 mm covering,
directly bound to the support layer

kaiflex[®] R-FORCE

Support layer – 10 mm insulation thickness

The measurements



The glueing and sealing



Kaiflex comCLAD Technical Data

Patent pending

Material		Highly durable flexible cladding composite, comprising high density elastomeric covering inseparably bound to Kaiflex R-FORCE® non-sag closed cell insulation foam	
Colour	Covering Foam	Grey Black	
Upper temperature limit		+85 °C	See remark (1)
Lower temperature limit		-50 °C	See remark (1)
Thermal conductivity	at 0 °C	≤0,039 W/(m·K)	Test acc. to DIN EN 12667
Water vapour permeability	Moisture resistance factor μ	≥50.000 No separate vapour barrier required	Test acc. to DIN EN 12086
EuroClass [◊]	Covering	B-s3, d0	Test acc. to DIN EN 13501-1
Practical fire behaviour		Self-extinguishing, no drips, does not support flame spread	Classification NFPA-90A "B" (covering) ISO 11925 "E" (composite)
Mechanical properties	Tensile Strength Elongation at break Tear Strength	>8 MPa >600 % >20 N/mm	Test acc. to ISO 37 / ASTM D412 Test acc. to ISO 37 / ASTM D412 Test acc. to ISO 34-1 / ASTM D624
Corrosion resistance		Satisfies requirements	In acc. to DIN 1988
Environmental aspects		ODP Zero GWP Zero	
Health aspects		Dust & fibre free Heavy metal (e.g. cadmium, lead) and formaldehyde free	
Resistance to	Mechanical impact Weather UV Ozone Chemicals	Very good Good Good Good Good	
Dimensional stability	Oil & gas	Little / no shrinkage or swelling	For details on resistance contact our Technical Support Team
Other attributes	pH-Value	Neutral	
Shelf life	Self-adhesive products	1 year	Store in a dry room at a typical relative humidity (between 50 % and 70 %) and room temperature (between 0 °C and +35 °C)
Other	Gluing	Bond black foam (= glue seam) with Kaiflex special adhesive, then seal with Kaiflex mastic grey	

Remark (1) For temperatures below -50 °C and above +85 °C please contact our Technical Support Team for advice.

[◊] The Euroclass rating applies to metallic or solid mineral substrates.

