

K-FLEX® IN CLAD SYSTEM



TECHNICAL DATA		
Property	Value	Test method
Material	Flexible polymeric barrier	
Colour	Grey and Black	
Thickness	1.2 mm (± 0.2)	
MAX Surface Temperature	80°C (176°F)	
MAX application temperature, IN CLAD System	105°C (221°F) 120°C (248°F)	IN CLAD with K-FLEX® ST IN CLAD with K-FLEX® ECO
MIN application temperature, IN CLAD System	-200°C (-328°F)	IN CLAD System with K-FLEX® ST tested at -163°C (-260°F) and approved with a statement of feasibility by DNV
Water Vapour Permeability Moisture Resistance Factor (covering)	$\mu > 90.000$	EN12086
Specic weight	1.8 (± 0.1 g/cm³)	
Tensile Strength	>=6,9 MPa	ISO 37 (Typical value 7.5 MPa)
Fire propagation	Pass	BS 476 pt 6
Fire requirements for shipbuilding	Pass	
Approvals and Supervisions	CE Marine Mark Approved (MED, module B) Type approval by American Bureau of Shipping Type approved by Det Norske Veritas Type approved by Lloyd's Register	DNV LNG Statement of Feasibility ABS Approval
Other properties	The product is compliant to the requirements of Norsok standard R-004 ed 3 (par. 5.9 non metallic jacketing) Application: Product is flexible down to -20°C Fixing: neoprenic glue (K-FLEX® K414, K-FLEX® K420) Sealing: SMP sealant (Bostik Findley / Simson ISR 70-03 or ISR 70-05)	

K-FLEX® reserves the right to change data and technical requirements without notice.

RANGE			
	Length	Thicknesses	Diameters
K-FLEX® IN CLAD - Tubes	1 m	9-13-19-25-32-40-50 mm	from 15 to 168* mm
* For diameters greater than 168 mm, use sheet			
	Thicknesses	Height	
K-FLEX® IN CLAD - Sheets	6-10-13-16-19-25-32-40-50 mm	1000 mm	
K-FLEX® IN CLAD - Adhesive sheets	6-10-13-16-19-25-32-40-50 mm	1000 mm	

For the complete
TECHNICAL DATA
consult our
**GENERAL
CATALOGUE**

