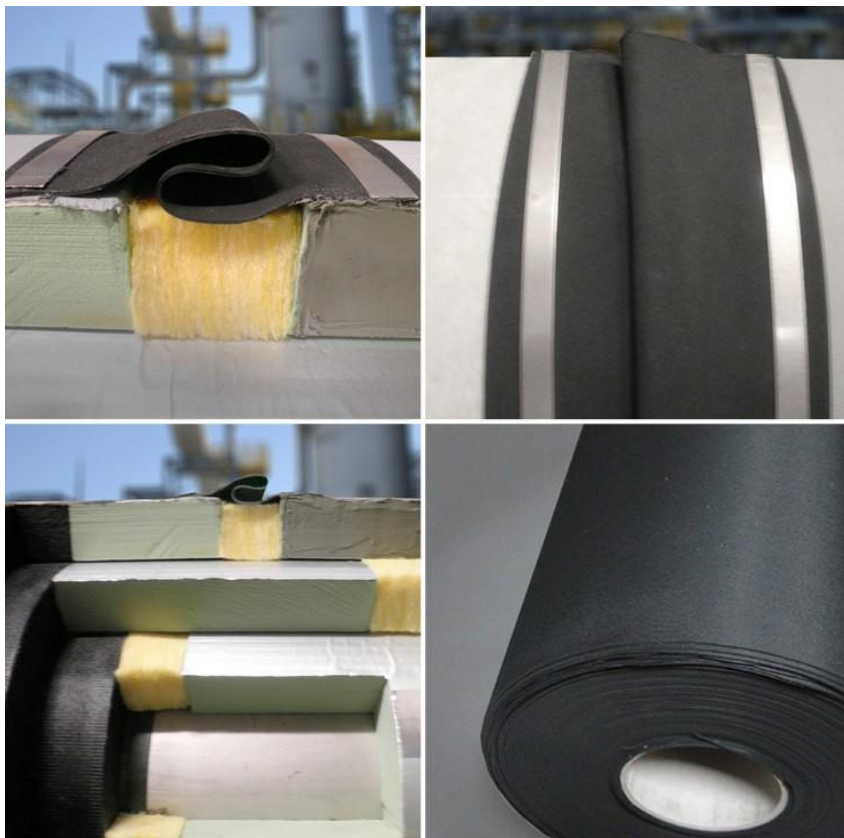




Tembulan™



Contraction / Expansion Joint Cover

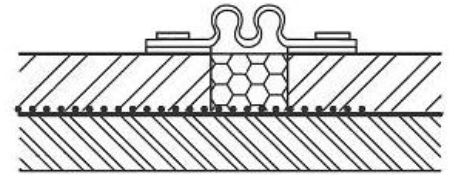
- Excellent vapour barrier
- Salt/Sea water resistant
- Superb chemical resistance
- Passed accelerated aging test
- Used in combination with cellular glass (CG), PIR and PUR insulation



Tembulan™ Contraction / Expansion Joint Cover

Product Description

Tembulan™ is a butyl-based rubber foil vapour barrier to cover contraction / expansion joints. Designed for cold and cryogenic insulation systems like Liquefied Natural Gas (LNG). Contraction / Expansion joints are used with rigid insulation materials e.g. Polyisocyanurate (PIR) foam, Polyurethane (PUR) foam or combined systems with foam glass. Contraction / Expansion joints shall be installed in uninterrupted straight pipe runs in all layers of the multilayer insulation system, to allow contraction and / or expansion. Positions shall be designed based on the expected differential contraction between piping/equipment and insulation material. Tembulan™ shall be adhered with Kiilto Masa (contraction joint cover adhesive), with the fold centrally positioned on the outer joint. Tembulan™ shall extend a minimum of 50 mm on both sides of the joint and secured on both sides with stainless steel banding.



Technical data:

Properties	Test method	Specification	Unit
Color		Black	
Thickness		1,2 - 1,5	mm
Width		20 and 25 (other widths available on request)	cm
Length		20	m
Polymer		PIB	
Temperature resistance		Min -60 Max +120	°C °C
Density	ISO 2781	1,23 ± 0,02	kg/l
Hardness	ISO 7619	65 ± 5	°Shore A
Tensile strength	ISO 37-2	Min 8,0	Mpa
Elongation	ISO 37-2	Min 350	%
Tear strength	ISO 34-A	Min 10	N/mm
Flex cracking 200.000 cycles	BS ISO 132	No degradation	
Accelerated air ageing 7 days / 100°C change air Hardness Tensile strength Elongation	ISO 188	Max +5 Max -15 Max -30	°Shore A % %
Ozone resistance 200 phm / 40°C / 20%	ISO 1431/1	No degradation	
Water vapour permeability	DIN 52615 / 1000hPA	104.000	µ value
Dimensional stability 24h / 100°C	DIN 7864/HRP	Width: max ± 0,2 Length: max - 0,5	% %

For industrial use only.

This data sheet is based on specifications, data and test results available to us at the time of publication. In the course of time changes herein may (have) take(n) place. No guarantee as to completeness, accuracy or results is either expressed or implied. The suitability to an intended use is the responsibility of the user. As material-choice, method of application and site conditions are beyond our control, we accept no liability for direct or consequential damages.