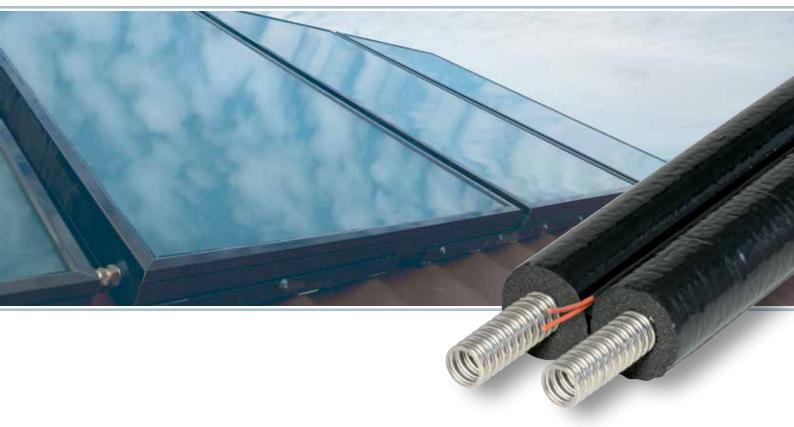
Kaiflex SOLAR EPDMplus 2in2



Designed to improve solar hot water efficiency

Kaiflex Solar EPDMplus 2in2 is supplied as twin coils of corrugated stainless steel pipe that is pre-insulated with solar grade EPDM insulation. Kaiflex Solar EPDMplus 2in2 connects solar panels to storage cylinders while minimising energy loss, keeping solar water hot long into the colder months.

Kaiflex Solar EPDMplus 2in2 is based on naturally UV-resistant EPDM rubber and comes with an additional co-extruded foil pre-applied that deters accidental and deliberate damage and vandalism over long periods of time.

The corrugated pipe is specifically designed for to withstand high solar temperatures and pressures. By incorporating a corrugated structure the pipe can be effortlessly bent around the tightest bends and Kaiflex Solar EPDMplus 2in2 is fully compatible with all standard solar panels, cylinders, pumps and fittings.

- Foil covering protects against UV and mechanical impact
- Identifies flow and return
- Compliant with modern solar hot water systems
- Robust insulation ensures separation causes no damage
- Pre-insulated twin pipes, joined for convinience, split for flexibility





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Kaiflex Solar EPDMplus 2in2 Technical Data

Description		Twin coils of corrugated stainless steel pipe pre- insulated with high temperature Kaiflex EPDM insulation with a tough co-extruded foil covering.		
Material (pipe)		Corrugated stainless steel pipe		
	Туре	1.4404 / AISI 316L		
	Max. service temperature	+600 °C		
	Min. service temperature	−270 °C		
Corrugated stainless steel pipe	Type test	Audited	Test acc. to DIN EN ISO 10380	
	Operating pressure at +20 °C	The permissable operating pressure was evaluated with 4-fold safety. This statement is based on the tier-system of the rated pressure in acc. with the norm stated.	Test acc. to DIN EN ISO 10380	
Cell structure		Closed cell		
Colour		Black		
Max. service temperature		+150 °C (+175 °C)	See remark (1)	
Min. service temperature		−50 °C	See remark (2)	
	λ_{ϑ}	$0.038 + 8.0 \cdot 10^{-5} \vartheta + 7.0 \cdot 10^{-7} \vartheta^2$		
The second condition	at -10 °C	≤0.037 W/(m·K)	Test acc. to DIN EN ISO 8497	
Thermal conductivity	at 0 °C	≤0.038 W/(m·K)		
	at +10 °C	≤0.039 W/(m·K)		
Euroclass [†]	Euroclass	E _L	Test acc. to DIN EN 13501-1	
Practical fire behaviour		Self-extinguishing, no drips, does not support flame spread		
Packaging		76 x 76 cm	See remark (3)	
Outdoor applications		No additional protection against UV-radiation required		

Remark (1) For temperatures above +150 $^{\circ}$ C please contact our Technical Support Team for advice.

Kaiflex Solar EPDMplus 2in2 Technical Data · Corrugated stainless steel pipe

Nom ID mm	ID mm	OD mm	Pipe wall thickness mm	Min. bending radius mm	Max. opera- ting pressure bar	Content I/m	Width mm	Height mm	Lengths m
16	16.3	21.4	0.2	25	10	0.273	100	50	10, 15, 20, 25, 50
20	20.5	26.7	0.2	30	10	0.430	110	55	10, 15, 20, 25, 50
25	25.4	31.8	0.2	35	10	0.633	120	60	10, 15, 20, 25, 50

Remark (2) For temperatures below $-50~^{\circ}\text{C}$ please contact our Technical Support Team for advice.

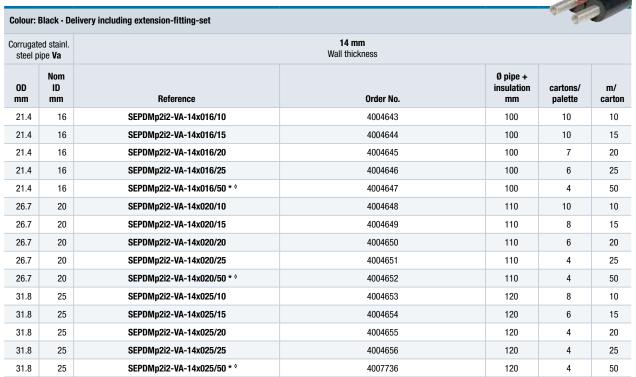
Remark (3) Robust cardboard packaging and end caps protect the pipe work during transport.

⁶ The Euroclass rating applies to metalic or solid mineral substrates.



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Kaiflex Solar EPDMplus 2in2 VA Pre-insulated pipe



^{*} Custom length of 50 metres per wooden drum upon request. Delivery in full packing units only.

Openium of Delivery without fitting-set



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