



EDITION 2025

K-FLEX[®] SOLID MULTILAYER PIPE





K-FLEX® SOLID

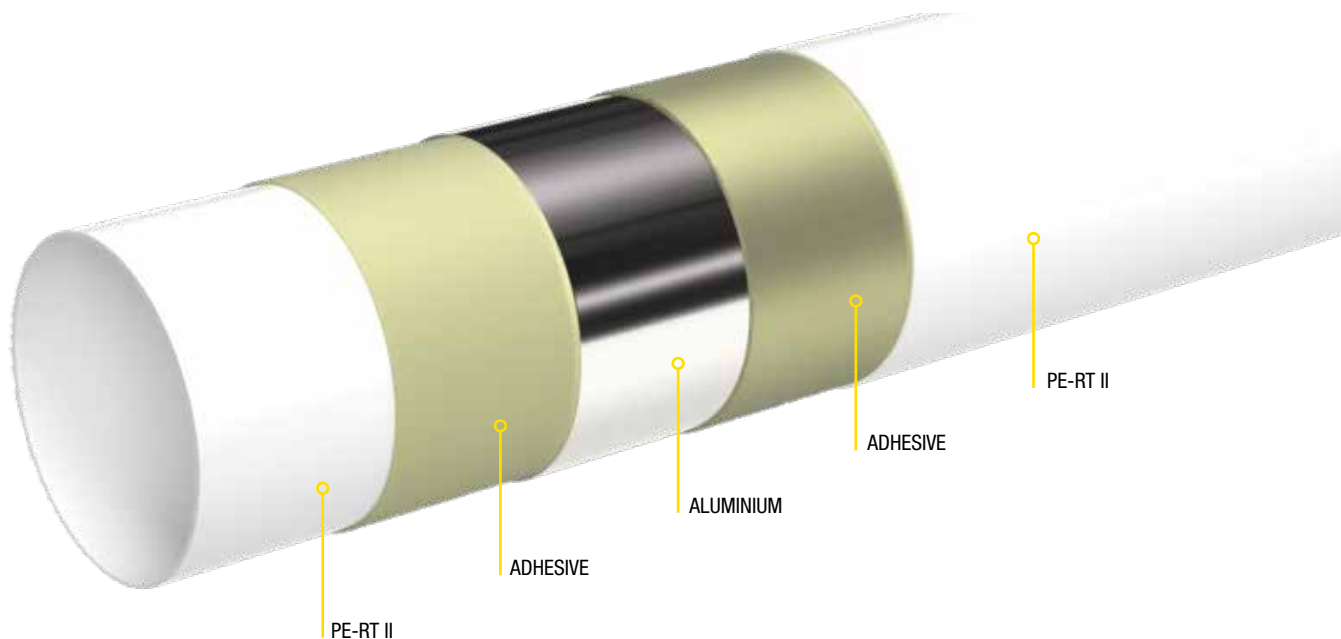
DESCRIPTION

K-FLEX® SOLID offers a comprehensive range of multilayer pipes with diameters from 16 to 75 mm. They are made of PE-RT II/Al/ PE-RT II, thus being more resistant to high temperatures and pressures.

These tubes are available in rolls, also pre-insulated with a polyethylene insulation.

PRODUCT FEATURES

- 5 layers: PE-RT II / adhesive / aluminium / adhesive / PE-RT II.
- Inner aluminium core longitudinally butt-welded for a homogenous wall thickness and a perfectly oxygen-tight pipe.
- Available naked, corrugated or insulated.



BENEFITS

- Temperature and pressure resistant.
- Shape retaining.
- Low heat expansion.
- Wear resistant.
- Light and easy to handle.
- Impermeable to oxygen.
- Non-corrosive.

APPLICATIONS

K-FLEX® SOLID is suitable for all heating and plumbing applications. The pipes can be concealed or exposed and can be used in new installations as well as for renovations.



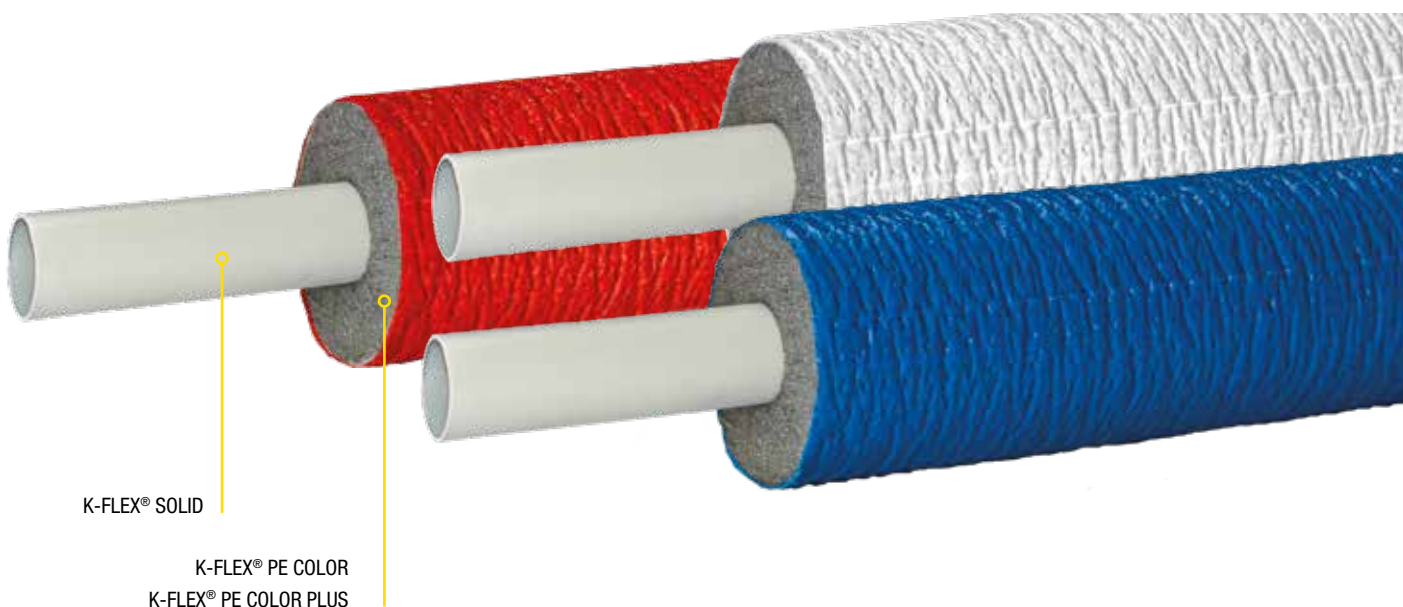
TECHNICAL DATA

K-FLEX® SOLID ▶ TECHNICAL DATA			
▼ Property ▼	▼ Value ▼		▼ Test method ▼
Dimensions	16 x 2.0 mm	40 x 3.5 mm	
	20 x 2.0 mm	50 x 4.0 mm	
	26 x 3.0 mm	63 x 4.5 mm	
	32 x 3.0 mm	75 x 5.0 mm	
Water Volume	0,113 l/m (16mm)	0,843 l/m (40mm)	
	0,201 l/m (20mm)	1,384 l/m (50mm)	
	0,314 l/m (26mm)	2,289 l/m (63mm)	
	0,804 l/m (32mm)	3,316 l/m (75mm)	
Aluminium thickness	Ø 16 = 0,2mm	Ø 40 = 0,5mm	
	Ø 20 = 0,3mm	Ø 50 = 0,6mm	
	Ø 26 = 0,4mm	Ø 63 = 0,6mm	
	Ø 32 = 0,4mm	Ø 75 = 1,0mm	
Material	PE-RT II / AL / PE-RT II		
Application range	Hydrothermal sanitary systems in the civil, industrial and tertiary sectors		
Fluid	Drinking water		
Geometrical characteristics	Dimensions in accordance with: EN 21003-2:2009+A1:2011, pt. 6.2		
Mechanical characteristics	95°C - 34 Bar - 165h		In accordance with EN ISO 1167-1:2006 and ISO 1167-2
	95°C - 33 Bar - 1000h		
Appearance	In accordance with: EN 21003-2:2009+A1:2011, pt. 5.1		
Impact on water quality	Approved for contact with drinking water		
Presence of HCFC - CFC	Absent		
Stock	Avoid prolonged exposure to direct sunlight		
Minimum bending radius	5 times the external diameter		
K-FLEX® reserves the right to change data and technical requirements without notice.			

PRODUCT RANGE

K-FLEX® SOLID ▶ PRODUCT RANGE			
	Length ▼	Insulation ▼	Diameters ▼
K-FLEX® SOLID - Tube	100-200-400-600 m	-	16-75 mm
K-FLEX® SOLID - Pre insulated tube	50-100 m	6-9-13 mm	16-32 mm

K-FLEX® SOLID ▶ TUBE					
Diameter mm ▼	Length m ▼	Code ▼	Carton ▼	Pallet dimensions mm ▼	Qty/Pallet ▼
16	200	26D1111100AAA0C	yes	800 x 800 x 2700	11
16	400	26D1111100AAB0C	yes	800 x 800 x 2700	7
20	100	26D1161100BA90C	yes	800 x 800 x 2700	11
16	200	26D1111100AAA0F	no	800 x 800 x 2700	12
16	400	26D1111100AAB0F	no	800 x 800 x 2700	8
16	600	26D1111100AAL0F	no	1000 x 1000 x 2700	7
20	100	26D1161100BA90F	no	800 x 800 x 2700	12
26	50	26D1171100EC70F	no	800 x 800 x 2700	13
32	50	26D1141100DC70F	no	1000 x 1000 x 2700	12



DESCRIPTION

K-FLEX® SOLID is available coupled with a polyethylene insulation with colored finishing: K-FLEX® PE COLOR or K-FLEX® PE COLOR PLUS.

They are coextruded polyethylene closed cell insulation tubes specifically designed for all that applications where an additional mechanical protection is required. These products fulfils all the highest building standards in term of fire reaction.

Individually, they are ideal for heat insulation of pipelines of heating systems, cold and hot water supply, ventilation and air conditioning, equipment and underfloor applications.

TECHNICAL DATA

K-FLEX® PE COLOR ► TECHNICAL DATA

▼ Property ▼	▼ Value ▼	▼ Test method ▼
Temperature range	from -40°C to +100°C	EN 14707
Thermal conductivity λ W/(m•K)	+10°C = 0,036 +40°C = 0,040	EN ISO 8497
Corrosion prevention	pH neutral (7)	
Fire rating	Euroclass D _s -s1, d0	EN 13501-1
Ecological data	Without CFCs and HCFCs	

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

K-FLEX® PE PLUS COLOR ► TECHNICAL DATA

▼ Property ▼	▼ Value ▼	▼ Test method ▼
Temperature range	from -40°C to +100°C	EN 14707
Thermal conductivity λ W/(m•K)	+10°C = 0,036 +40°C = 0,040	EN ISO 8497
Corrosion prevention	pH neutral (7)	
Fire rating	Euroclass B _s -s1, d0	EN 13501-1
Ecological data	Without CFCs and HCFCs	

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



DESCRIPTION

K-FLEX® SOLID is also available coupled with K-FLEX® PE QUADRO: a square shaped polyethylene insulation with colored finishing. The specific hexagonal shape of the hole can support the installer pulling the pipe easier trough the insulation keeping at the same time the pipe well constrained in the quadro tube.

TECHNICAL DATA

K-FLEX® PE QUADRO ► TECHNICAL DATA

▼ Property ▼	▼ Value ▼	▼ Test method ▼
Temperature range	+100°C	EN 14707
Thermal conductivity λ W/(m•K)	+10°C = 0,036 +40°C = 0,040	EN ISO 8497
Corrosion prevention	pH neutral (7)	
Fire rating	Euroclass E _L	EN 13501-1
Ecological data	Without CFCs and HCFCs	

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

PRODUCT RANGE

K-FLEX® SOLID ► INSULATED TUBE (WITH K-FLEX® PE COLOR)

Diameter ▼ mm ▼	Length ▼ m ▼	Insulation ▼ mm ▼	Code ▼ Red version ▼	Code ▼ Blue version ▼	▼ Carton ▼	Pallet dimensions ▼ mm ▼	▼ Qty/Pallet ▼
16	100	9	26D11111AAA90F	26D11111ADAA90F	no	800 x 800 x 2700	6
16	50	9	26D11111AAA70F	26D11111ADAA70F	no	800 x 800 x 2700	13
16	100	6	26D11111AEA90F	26D11111AHAA90F	no	800 x 800 x 2700	11
16	50	6	26D11111AEA70F	26D11111AHAA70F	no	800 x 800 x 2700	20
20	100	9	26D11611ABA90F	26D11611ADBA90F	no	800 x 800 x 2700	6
20	50	9	26D11611ABA70F	26D11611ADBA70F	no	800 x 800 x 2700	11
20	100	6	26D11611AEB90F	26D11611AHBA90F	no	800 x 800 x 2700	7
20	50	6	26D11611AEB70F	26D11611AHBA70F	no	800 x 800 x 2700	16
20	50	13	26D11611BRCA70F	26D11611BSCA70F	no	800 x 800 x 2700	9
26	50	9	26D11711AEC70F	26D11711ADEC70F	no	800 x 800 x 2700	10
26	50	6	26D11711AEC70F	26D11711AHEC70F	no	800 x 800 x 2700	12
26	50	13	26D11711BREC70F	26D11711BSEC70F	no	800 x 800 x 2700	7
32	50	6	26D11411AEDC60F	26D11411AHDC60F	no	800 x 800 x 2700	15
32	25	9	26D11311A AFC70F	26D11311ADFC70F	no	800 x 800 x 2700	6

NOTES

NOTES

CONTACT

L'ISOLANTE K-FLEX S.p.A.

Via Don Locatelli, 35 - 20877 Roncello (MB) - Italy

Sales Dept.

E internationalsales@kflex.com

T +39 039 6824.1

Technical Marketing Dept.

E kflex-technical@kflex.com

www.kflex.com

📷 f in



WE INNOVATE TO CREATE
MORE EFFICIENT, SAFE
AND COMFORTABLE PLACES
AROUND THE WORLD

© K-FLEX®. INT_BRO_SOLID_0625
K-FLEX® reserves the right to change data and technical requirements without notice.