

Tubes Energoflex® Super Protect

Description



Energoflex® Super Protect tubes are specially developed for the insulation of pipes of heating and water supply laid in floor and wall constructions. Insulation possesses high resistance to mechanical damages and aggressive construction materials. The polymeric coating increases the durability of pipes by 50 %, thus making the insulation a reliable protection for pipes, and the elastic layer of polyethylene foam helps to compensate thermal expansion of pipes. The advanced technology of simultaneous extrusion of a polyethylene tubes and a polymeric film provides reliable welding of thermal protection and a coating.



The release form in coils considerably reduces the cost of transportation and warehousing logistics.



The material possesses increased protection against mechanical impacts at site

Specifications



Specifications

Feature	Value	Method
Maximum service temperature, °C	+95	GOST EN 14707-2011
Thermal Conductivity, λ , W/(m·°C)	at 10°C	GOST 32025-2012
	at 20°C	
	at 30°C	
	0,038	
	0,039	
	0,040	
Water vapour diffusion resistance, μ	9000	GOST 32303-2011
Reaction to fire	G1	TR (technical regulations) No. 123-FZ (Federal Law) dated 22.07.2009, GOST 30244
Water absorption, kg/m ²	0,09	GOST 32301-2011
Corrosion safety	High resistance to aggressive construction materials - cement, concrete, gypsum, lime.	
Environmental Aspects	Chlorofluorohydrocarbons free	

Range



Range of tubes in coils 11 meters in length

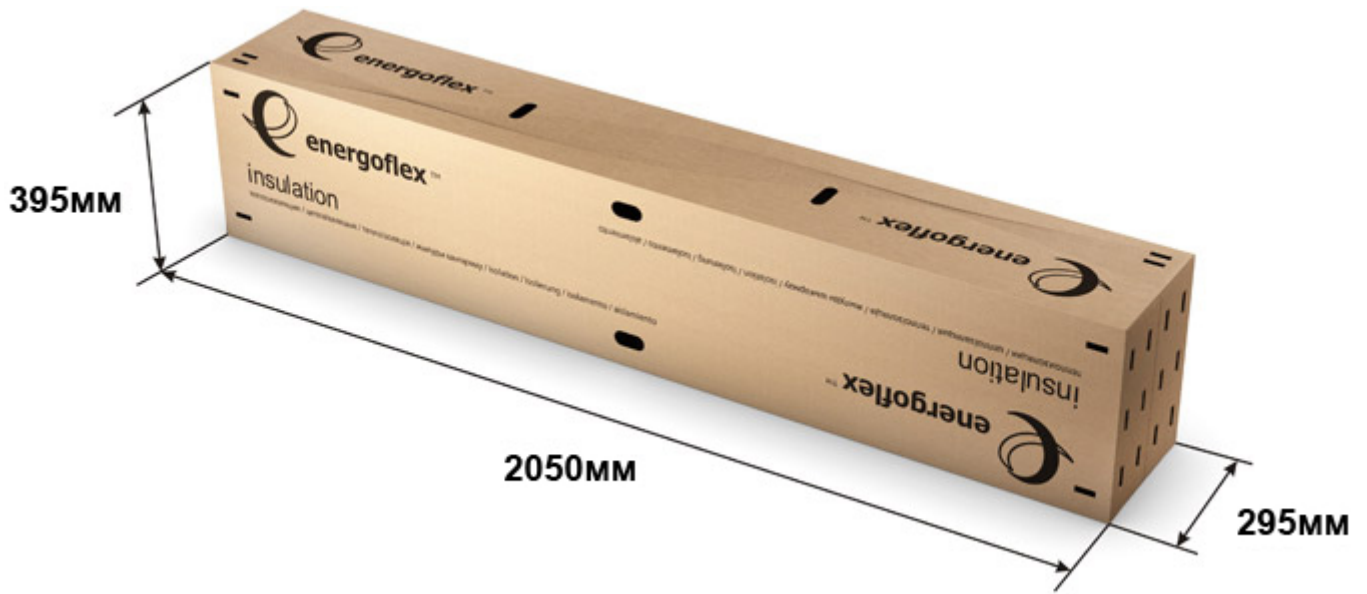
Inner Ø of insulation, mm	Insulation thickness 4 mm			
	Colour and standard size			
	Blue colour	Article	Red colour	Article
15	15/4-11	EFXT0150411SUPRS	15/4-11	EFXT0150411SUPRK
18	18/4-11	EFXT0180411SUPRS	18/4-11	EFXT0180411SUPRK
22	22/4-11	EFXT0220411SUPRS	22/4-11	EFXT0220411SUPRK
28	28/4-11	EFXT0280411SUPRS	28/4-11	EFXT0280411SUPRK
35	35/4-11	EFXT0350411SUPRS	35/4-11	EFXT0350411SUPRK

Range of tubes 2 meters in length

Inner Ø of insulation, mm	Insulation thickness							
	Colour and standard size							
	Blue colour				Red colour			
	6 mm	Article	9 mm	Article	6 mm	Article	9 mm	Article
15	15/6-2	EFXT015062SUPRS	15/9-2	EFXT015092SUPRS	15/6-2	EFXT015062SUPRK	15/9-2	EFXT015092SUPRK
18	18/6-2	EFXT018062SUPRS	18/9-2	EFXT018092SUPRS	18/6-2	EFXT018062SUPRK	18/9-2	EFXT018092SUPRK
22	22/6-2	EFXT022062SUPRS	22/9-2	EFXT022092SUPRS	22/6-2	EFXT022062SUPRK	22/9-2	EFXT022092SUPRK
28	28/6-2	EFXT028062SUPRS	28/9-2	EFXT028092SUPRS	28/6-2	EFXT028062SUPRK	28/9-2	EFXT028092SUPRK
35	35/6-2	EFXT035062SUPRS	35/9-2	EFXT035092SUPRS	35/6-2	EFXT035062SUPRK	35/9-2	EFXT035092SUPRK

Packaging





Tubes in coils being 11 meters in length are packed into cartons with dimensions of 1095 x 395 x 395 mm.
Tubes being 2 meters in length are packed into cartons with dimensions of 2050 x 395 x 295 mm.

Insulation thickness, mm							
4				6			
standard size	quantity per package, m	gross weight, kg	package volume, m ³	standard size	quantity per package, m	gross weight, kg	package volume, m ³
15/4-11	352	4,21	0,170	15/6-2	200	4,04	0,240
18/4-11	308	4,17	0,170	18/6-2	180	4,09	0,240
22/4-11	264	4,14	0,170	22/6-2	152	4,04	0,240
28/4-11	220	4,22	0,170	28/6-2	120	3,92	0,240
35/4-11	176	4,07	0,170	35/6-2	80	3,45	0,240


Insulation thickness, mm			
9			
Standard size	quantity per package, m	gross weight, kg	package volume, m ³
15/9-2	140	4,52	0,240
18/9-2	120	4,40	0,240
22/9-2	100	4,26	0,240
28/9-2	88	4,39	0,240
35/9-2	60	3,84	0,240

Accessories




Contact adhesive Energoflex® Extra



	Energoflex® Extra contact adhesive is used for joining insulation junctions.		Article
	Volume	Approximate consumption of 1L of contact adhesive:	
	Pipes 6 mm thick	240-300 linear m	
	Pipes 9 mm thick	160-200 linear m	
	Pipes 13 mm thick	110-140 linear m	
	Pipes 20 mm thick	70-90 linear m	
	Pipes 25 mm thick	50-60 linear m	
	Rolls and plates	~5 m ²	
Package:	0,5 L metal can	EFXADH0/5EXT	
	0,9 L metal can	EFXADH0/8EXT	
	2,6 L metal can	EFXADH2/6EXT	
Storage temperature:	От + 10 до + 40°C		
Use temperature:	From + 10 to + 40°C		


Cleaner Energoflex®



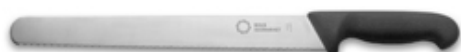
	Energoflex® cleaner is intended for the cleaning and degreasing of insulated surfaces and tools from Energoflex® Extra and Energocell® HT adhesive traces, as well as for its dilution to the required viscosity.		Article
	Use	Approximate consumption	EFXCLEAN1
	Insulation of pipelines	0,02 L per 10 m of a pipeline	
	Insulation of flat surfaces, tanks and devices	0.057 L per 10 m ² of the insulated surface	
	Insulation of fittings and accessories	0,096 L per 10 pcs. of fittings and accessories	
	Package:	1 L metal cans	
	Storage temperature:	No more, than 40°C	


Montage mitre box



	Montage mitre box – a device from shock-resistant plastic for shape cutting of Energoflex® tubes with outer diameter up to 89 mm.	Article
		EFXMBOX


Montage knife




	A montage knife with a specific sharpening is intended for the insulation cutting. The knife has a special form and dimensions allowing to simplify the work of a professional fitter as much as possible.		Артикул
	Blade length:	270 mm	EFXKNIFE

Reinforced tape Energoflex®

	Reinforced self-adhesive tape Energoflex® of gray color is applied at installation of Energoflex® Super insulation. Due to the reinforcing net the tape possesses high rupture strength.		Article
	Approximate expenditure:	1,15 - 1,45 of the straight piping length of a pipeline; 26 m on 10 m ² isolated surface	
	Width:	48 mm	
	Height:	10 m	EFXL04810ARSKGR
		25 m	EFXL04825ARSKGR
		50 m	EFXL04850ARSKGR
Temperature:	Not below 10°C		

	Reinforced self-adhesive tape Energoflex® of black color is applied at installation of Energoflex® Black Star insulation. Due to the reinforcing net the tape possesses high rupture strength.		Article
	Approximate expenditure:	1,15 - 1,45 of the straight piping length of a pipeline; 26 m on 10 m ² isolated surface	
	Width:	48 mm	
	Height:	25 m	EFXL04825ARSKBK
		50 m	EFXL04850ARSKBK
	Temperature:	Not below 10°C	

	Reinforced self-adhesive tape Energoflex® of blue and red colors is applied at installation of Energoflex® Super Protect insulation. Due to the reinforcing net the tape possesses high rupture strength.		Article
	Approximate expenditure:	1,15 - 1,45 of the straight piping length of a pipeline;	
	Width:	48 mm	
	Height, colour:	25 m, blue	EFXL04825ARSKBL
		25 m, red	EFXL04825ARSKRD
	Temperature:	Not below 10°C	