

Description

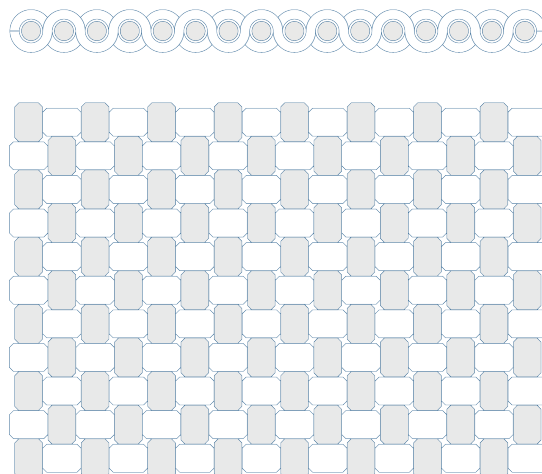
The cloths consist of nonflammable high-temperature threads with low thermal conductivity.

They've got a great breaking strength, resistance to thermal shocks and good dielectric properties (except the IZOLTEX-120 cloth). The chemical inertness of the cloths makes them usable in any area of the industry.

Application area

The insulating cloths are used for staff and equipment protection from high and extreme temperatures. They are used as curtains, gaskets, winding and as elements of workwear. The IZOLTEX cloths are widely used as an alternative to asbestos cloths.

Cloths structure (linen interweaving)



Items						
IZOLTEX-30	+300	+500	-	-	10-2000	1-4
IZOLTEX-50	+550	+700	0,22	2	10-2000	0,5-10
IZOLTEX-70	+700	+900	0,24	2	10-1000	0,5-10
IZOLTEX-90	+850	+1000	0,22	15-18	10-1500	2-10
IZOLTEX-120	+1100	+1250	0,26	15-18	10-1500	2-10
IZOLTEX-130	+1100	+1350	0,22	1	10-1000	0,5-2

 application temperature [C]

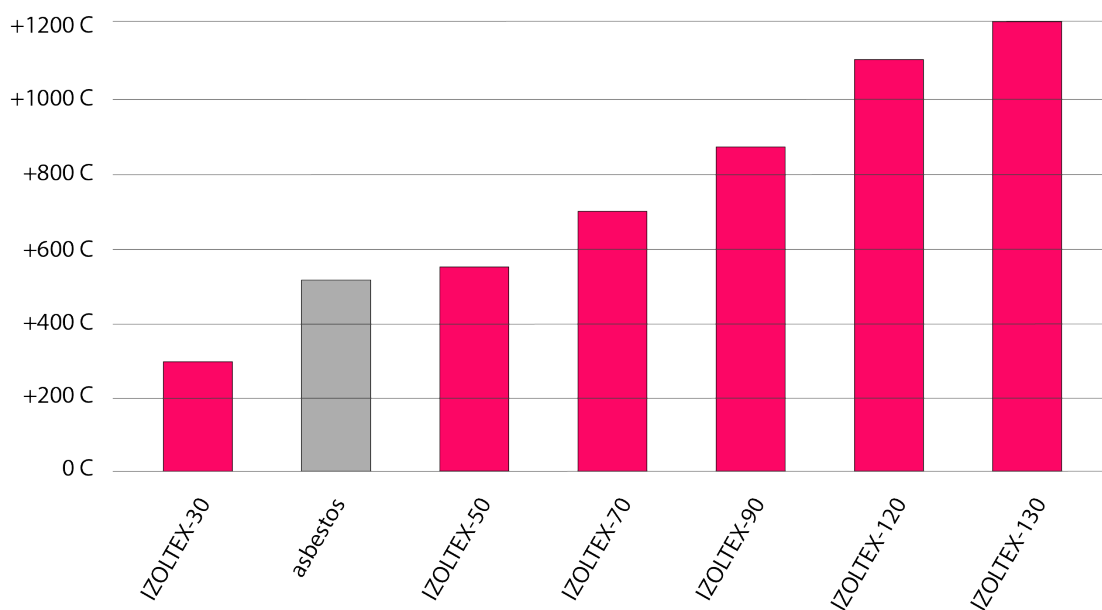
 short-term application temperature [C]

 heat conduction at +600 C [W/mK]

 mass lost of burning [%]

 roll width [mm]

 cloth thickness [mm]





IZOLTEX

insulating clothes and tapes with coatings

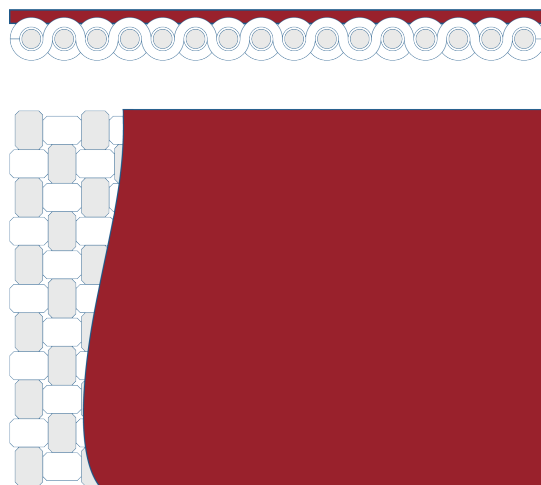
Description

The insulating cloths with coatings are a combination of a textile base of IZOLTEX cloths and an external layer based on high-temperature silicon. The outer layer provides resistance to scratches, pricking, abrasion, soaking and has good dielectric features.

Application area

Cloths with coatings are used as protective thermal heat shields. The coating is able to resist to molten metal and glass splashes, most of the reactive environments, oils and lubricants. The cloths with a silicon coating are widely used in compensators manufacturing.

Structure of the cloths with coatings



Items	warp		coating			
						
IZOLTEX-50S	+550	+700	+300	+1000	10-1000	1-3
IZOLTEX-70S	+700	+900	+300	+1000	10-1000	1-3
IZOLTEX-130S	+1100	+1200	+300	+1000	10-1000	1-3



application temperature [C]



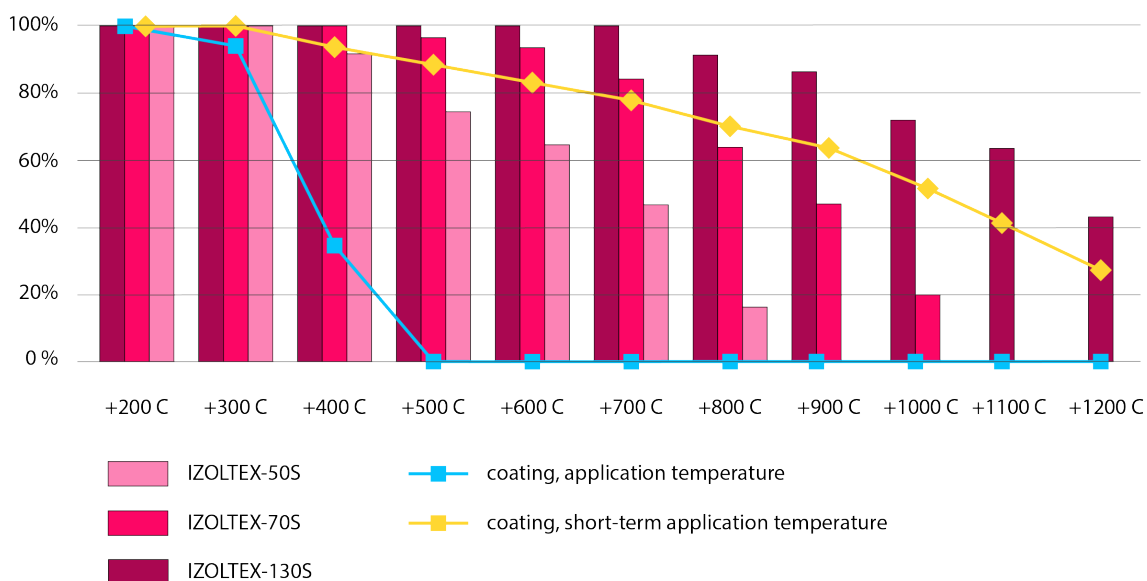
short-term application temperature [C]



roll width [mm]



cloth thickness [mm]





IZOLTEX cloths and tapes with a reflective surface

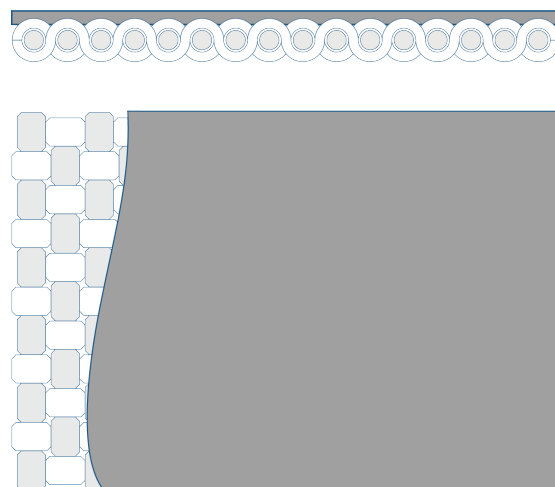
Description

The insulating cloths with reflective surfaces have a one-side metal foil coating used as a shield from exposure to infrared radiation. Fire-proof bases of the cloths have a low thermal conductivity and securely protect from overheating.

Application area

The cloths and tapes of this group are used for staff and equipment protection from infrared radiation from heaters and furnaces. They are used as curtains, covers, outer layers of insulation of surfaces of all forms and curves.

Structure of the cloths with a reflective surface



Items	warp		coating	glue		
						
IZOPLET-50A	+550	+900	+650	+200	10-2000	0,5-10
IZOPLET-70A	+700	+800	+650	+200	10-1000	0,5-10
IZOPLET-90A	+850	+1000	+650	+200	10-1500	2-10
IZOPLET]-120A	+1100	+1200	+650	+200	10-1500	2-10
IZOPLET-130A	+1100	+1350	+650	+200	10-1000	0,5-2



application temperature [C]



short-term application temperature [C]

 roll width [mm]

 cloth thickness [mm]

