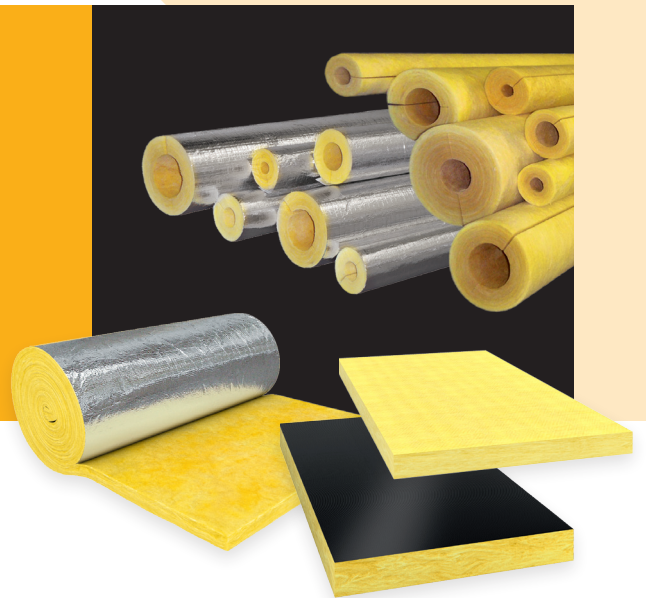


## PIPELANE & SAGLAN

Pipe sections and technical  
insulation made of glass wool

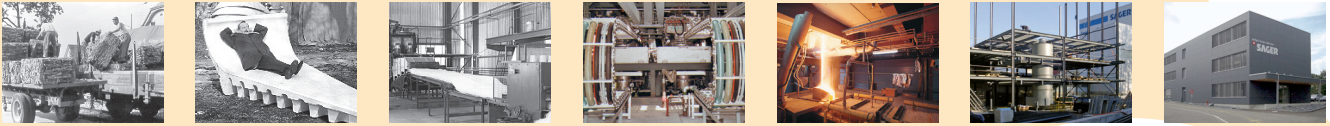


simply better insulation

 **PIPELANE**

The histories of the successful Swiss premium brand and that of Sager AG are closely connected up to the present. It all started in 1949 in Switzerland in the Aargau community of Dürrenäsch. The family-run company is still an independent and important employer in the region today and a decisive driving force in the field of insulation. Sager AG is a reliable contact throughout Switzerland and a select partner in large parts of Europe.

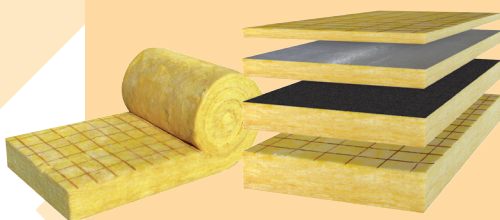
- 1949** Takeover of the first cork factory in Switzerland by Sager+Cie
- 1954** Start of production of SAGEX as first supplier of polystyrene insulation slabs in Switzerland
- 1978** Start of glass wool production by the name of SAGLAN
- 1999** New glass wool facility that allows an even more flexible production and thus tailor made
- 2001** Commissioning of the innovative 3D cutting facility for SAGEX
- 2008** The business sections SAGER insulation material and polymer profiles are converted to independent shareholder companies
- 2008** Start of production of the pipe section range PIPELANE for building technology and industrial facilities
- 2010** Production of SAGEX Zebra Facade insulation slabs
- 2011** New building and inauguration of the SAGER administration building
- 2014** New SAGEX Zebra facility (fully automated)
- 2018** SAGLAN goes eco – with new binder  
New 2D/3D cutting facility for SAGEX



## The three product lines of SAGER

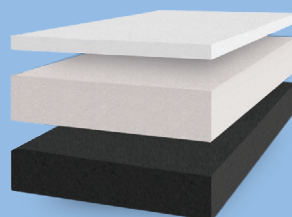
### SAGLAN

Better insulation is more important than ever these days – and our SAGLAN glass wool made of natural quartz sand is the optimum insulation material for construction in Minergie. SAGLAN has outstanding sound and thermal insulation properties. The SAGLAN cutting service is very valuable and covers large insulation thicknesses up to 300 mm. All products can be lined with different coatings.



### SAGEX

The brand SAGEX is the epitome for expanded polystyrene. The building construction and civil engineering industry cannot do without SAGEX. Its application fields are manifold and it helps to solve almost any thermal insulation problem. Besides the white SAGEX, we also produce dark grey SAGEX Nero, an advanced development with even better insulation properties.



### PIPELANE

After all, each system is only as good as the technical insulation of its pipelines. Whether for heating systems, warm water pipes, industrial facilities or air conditioning ducts – PIPELANE ensures thermal and sound insulation as well as fire protection. The outstanding material properties ensure reliable and permanent insulation and allow full utilisation of available energy savings potentials. PIPELANE is available with or without aluminium lining.



## Table of contents

	Page		Page
Modern insulation has a name	2	SAGLAN Technical insulation slabs	7
PIPELANE The Swiss glass wool pipe sections	3	SAGLAN Technical insulation rolls	12
PIPELANE for building technology and industry	3	SAGLAN 400 °C insulation	15
PIPELANE SGR without lining	4	SAGLAN Wool	11
PIPELANE SGR 1 with aluminium lining	5	Accessories	11
Product overview / delivery type	6	SAGLAN Coatings and individual cut	15

simply better insulation



# PIPELANE

## The Swiss glass wool pipe sections by SAGER

After all, each system is only as good as the technical insulation of its pipelines. Whether for heating systems, warm water pipes, industrial facilities or air conditioning ducts – PIPELANE ensures thermal and sound insulation as well as fire protection.

The outstanding material properties ensure reliable and permanent insulation and allow full utilisation of available energy savings potentials.

### You will profit from

- ▶ optimum thermal insulation hot/cold
- ▶ outstanding acoustic insulation properties
- ▶ fast and easy to process products
- ▶ recyclable materials
- ▶ an unmatched customer service

**Thermal insulation:** Insulation of industrial facilities has economic and ecologic advantages. Reduce heat losses substantially with PIPELANE. Save energy and costs and protect the environment at the same time.

**Sound insulation:** Pipelines and ducts in building technology and industrial facilities are often bothersome noise sources. The causes may be transmitted operating noises caused by machines or noise resulting from high flow speeds of the transported medium, e.g. air or liquids. Regulations and standards define the admissible limit values. The most efficient sound insulation is achieved with insulation measures on the pipelines themselves. Casings with PIPELANE substantially reduces noises.

### For building technology and the industry

Sound insulation as well as fire protection and radiation losses in pipes can be efficiently influenced with suitable coatings. PIPELANE pipe sections made of glass wool have outstanding sound insulation properties, are inflammable and insulate the dissipation losses highly efficiently. They are indispensable in building technology and the industry.

The rational installation and easy handling of PIPELANE pipe sections has proven itself in practical application. PIPELANE pipe sections are available in different bulk densities. If the pipes require a specially blow-resistant surface, the PIPELANE pipe sections can be wrapped additionally, mainly with polymer or aluminium foils/ sheets and galvanised steel sheets.



# PIPELANE Pipe sections

## PIPELANE SGR without lining



### Application field / properties:

PIPELANE glass wool shells are highly dimensionally stable and ensure easiest handling even at high application temperatures.

### Technical parameters:

Thermal conductivity 10 °C	<b>0.032 W/mK</b>
Reaction to fire	A1
Application temperature	≤ 300 °C

### Processing instructions:

- ▶ Application of the insulation on the pipe
- ▶ Fixation with attachment material
- ▶ If required, additional wrapping can be installed

### Technical characteristics

Description	Data	Unit	Standard	
Thermal conductivity $\lambda_D$ at average temperature	10 °C	0.032	W/(m·K)	EN ISO 8497 <b>MuKen</b> <b>EnEV</b>
	<b>20 °C</b>	<b>0.033</b>		
	<b>40 °C</b>	<b>0.034</b>		
	50 °C	0.035		
	100 °C	0.042		
	150 °C	0.050		
	200 °C	0.062		
	250 °C	0.076		
	300 °C	0.093		
Reaction to fire	Not flammable	A1 <sub>L</sub>	–	EN 13501-1 NF P 92-503
	Not flammable	M 0	–	
Density $\rho$	variable according to thickness /ø	40 – 120	kg/m <sup>3</sup>	
Application temperature	–	300*	°C	EN ISO 8497
Top application temperature limit	–	500	°C	EN 14707
Specific heat capacity	$c_p$	0.84	kJ/(kg·K)	–
Special properties – hydrophobic	Water absorption	< 1	kg/m <sup>2</sup>	EN 13472 AGI Q 132
Chloride ion content	produced in AS quality	≤ 10	mg/kg	EN 13468 AGI Q 132
Impedance (length-related)	–	> 30	kPa·s/m <sup>2</sup>	EN 29053
Insulating material reference number	–	10.04.02.50.99	–	AGI Q 132

Pipe sections without substances such as silicones, oils or waxes are available upon request.

VW test specification 3.10.7	–	–	–	Q.3-01/10
------------------------------	---	---	---	-----------

\* Organic binding agents may become partially volatile as of a temperature of ≥ 250 °C. However, this does not impair the thermal insulation properties. (EN 14707/2005)

Quality-controlled in acc. with VDI 2055



Assembly instruction PIPELANE SGR / SGR 1



Cutting instruction PIPELANE SGR / SGR 1

# PIPELANE Pipe sections

## PIPELANE SGR 1 with aluminium lining



Halogen-free system  
with SAGER Alu Tape HF



### Application field / properties:

PIPELANE convinces with easy handling thanks to the gridded aluminium lining with overlap and self-adhesive strips.

### Technical parameters:

Thermal conductivity 10 °C	<b>0.032 W/mK</b>
Reaction to fire	A2 <sub>L</sub> -s1, d0
Application temperature	≤ 300 °C

### Processing instructions:

- ▶ Application of the insulation on the pipe, do not damage the aluminium lining
- ▶ Seal fully pounded longitudinal joints with self-adhesive overlapping tape
- ▶ Carefully mask all joints, seams, penetrations and pipe ends

### Technical characteristics

Description	Data	Unit	Standard	
Thermal conductivity $\lambda_D$ at average temperature	10 °C	0.032	W/(m·K)	
	<b>20 °C</b>	<b>0.033</b>		
	<b>40 °C</b>	<b>0.034</b>		
	50 °C	0.035		
	100 °C	0.042		
	150 °C	0.050		
	200 °C	0.062		
	250 °C	0.076		
	300 °C	0.093		
Reaction to fire	Not flammable	A2 <sub>L</sub> -s1, d0	–	EN 13501-1 NF P 92-503
	Not flammable	M 0	–	
Density $\rho$	variable according to thickness $t$	40 – 120	kg/m <sup>3</sup>	
Application temperature	–	300*	°C	EN ISO 8497
Top application temperature limit	–	500	°C	EN 14707
Max. temperature of the lining surface	–	≤ 100	°C	–
Specific heat capacity	$c_p$	0.84	kJ/(kg·K)	–
Special properties – hydrophobic	Water absorption	< 1	kg/m <sup>2</sup>	EN 13472 AGI Q 132
Water vapour permeability	$S_d$	≥ 200	m	EN 13469
Chloride ion content	produced in AS quality	≤ 10	mg/kg	EN 13468 AGI Q 132
Impedance (length-related) without lining	–	> 30	kPa·s/m <sup>2</sup>	EN 29053
Insulating material reference number	–	10.04.02.50.99	–	AGI Q 132

Pipe sections without substances such as silicones, oils or waxes are available upon request.

VW test specification 3.10.7	–	–	–	Q.3-01/10
------------------------------	---	---	---	-----------

\* Organic binding agents may become partially volatile as of a temperature of ≥ 250 °C. However, this does not impair the thermal insulation properties. (EN 14707/2005)

## Product overview / types of delivery

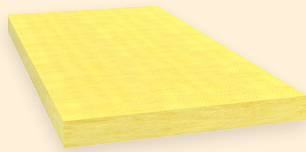
Pipe section length: 120 cm

Diameter Shell inside in mm	Insulation strength in mm		1. Number = units 2. Number = running meters																				Packaging in cartons (pallet at 18 cartons)		Packaging in PE bags			
			20		25		30		40		50		60		70		80		100		120		140		Unit	m'		
	Unit.	m'	Unit	m'	Unit	m'	Unit	m'	Unit	m'	Unit	m'	Unit	m'	Unit	m'	Unit	m'	Unit	m'	Unit	m'	Unit	m'	Unit	m'	Unit	m'
15	49	58.8	36	43.2	25	30	18	21.6	10	12	8	9.6																
18	42	50.4	30	36	23	27.6	15	18	9	10.8	7	8.4																
22	36	43.2	25	30	20	24	13	15.6	9	10.8	6	7.2	6	7.2	4	4.8												
28	30	36	23	27.6	18	21.6	12	14.4	9	10.8	6	7.2	5	6	4	4.8												
35	25	30	20	24	16	19.2	10	12	8	9.6	5	6	4	4.8	4	4.8	4	4.8										
38	23	27.6	18	21.6	15	18	9	10.8	7	8.4	5	6	4	4.8	4	4.8	4	4.8										
42	20	24	16	19.2	13	15.6	9	10.8	6	7.2	5	6	4	4.8	4	4.8	2	2.4										
45	20	24	16	19.2	12	14.4	9	10.8	6	7.2	5	6	4	4.8	4	4.8	2	2.4										
48	18	21.6	15	18	12	14.4	9	10.8	6	7.2	4	4.8	4	4.8	4	4.8	2	2.4										
54	16	19.2	12	14.4	10	12	8	9.6	5	6	4	4.8	4	4.8	4	4.8	2	2.4										
57	16	19.2	12	14.4	9	10.8	7	8.4	5	6	4	4.8	4	4.8	4	4.8	2	2.4										
60	14	16.8	12	14.4	9	10.8	7	8.4	5	6	4	4.8	4	4.8	4	4.8	2	2.4										
64	12	14.4	10	12	9	10.8	6	7.2	5	6	4	4.8	4	4.8	2	2.4	2	2.4										
67	12	14.4	9	10.8	9	10.8	6	7.2	4	4.8	4	4.8	4	4.8	2	2.4	2	2.4										
70	12	14.4	9	10.8	9	10.8	6	7.2	4	4.8	4	4.8	4	4.8	2	2.4	2	2.4										
76	9	10.8	9	10.8	8	9.6	5	6	4	4.8	4	4.8	4	4.8	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4
80	9	10.8	9	10.8	7	8.4	5	6	4	4.8	4	4.8	4	4.8	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4
83	9	10.8	8	9.6	6	7.2	5	6	4	4.8	4	4.8	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4
89	9	10.8	7	8.4	6	7.2	4	4.8	4	4.8	4	4.8	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4
102	6	7.2	5	6	5	6	4	4.8	4	4.8	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4
108	6	7.2	5	6	4	4.8	4	4.8	4	4.8	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4
114	5	6	5	6	4	4.8	4	4.8	4	4.8	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	1	1.2		
121	5	6	4	4.8	4	4.8	4	4.8	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	1	1.2		
127	4	4.8	4	4.8	4	4.8	4	4.8	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	1	1.2		
133	4	4.8	4	4.8	4	4.8	4	4.8	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	1	1.2		
140			4	4.8	4	4.8	4	4.8	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	1	1.2		
159			4	4.8	4	4.8	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	1	1.2	1	1.2	1	1.2		
168			4	4.8	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	1	1.2	1	1.2	1	1.2		
177			2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	1	1.2	1	1.2	1	1.2		
194			2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2		
219			2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	2	2.4	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2		
245					2	2.4	2	2.4	2	2.4	1	1.2	2	2.4	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2		
273					2	2.4	2	2.4	2	2.4	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2		
305					2	2.4	2	2.4	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2		
324					2	2.4	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2		
356					1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2		
406					1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2		
419									1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2		
457									1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2		
508									1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2		
559									1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2		
612									1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2		

Other diameters and insulation strengths on request

# SAGLAN Technical insulation slabs

## SAGLAN T-SA 25



### Technical characteristics

Density  $\rho$ : ca. 25 kg/m<sup>3</sup>  
 Reaction to fire: A1

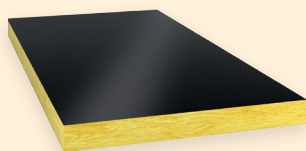
Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK	0.033	0.035	0.037	0.040	0.042	0.053	0.065	0.079	0.097	

Soft slab made of glass wool.



Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /package	m <sup>2</sup> /pallet
-	20	600	1200	17.28	207.36
-	25	600	1200	14.40	172.80
-	30	600	1200	14.40	172.80
-	40	600	1200	12.96	155.52
-	50	600	1200	10.08	120.96
-	60	600	1200	8.64	103.68
-	80	600	1200	5.76	69.12
-	100	600	1200	4.32	51.84
-	120	600	1200	4.32	51.84

## SAGLAN T-SA 25 G (with black glass fabric)



### Technical characteristics

Density  $\rho$ : ca. 25 kg/m<sup>3</sup>  
 Reaction to fire: A1

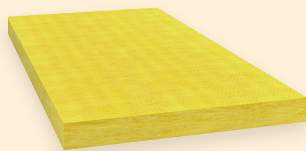
Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK	0.033	0.035	0.037	0.040	0.042	0.053	0.065	0.079	0.097	

Semi-rigid slab made of glass wool one side coated with black glass fabric.



Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /package	m <sup>2</sup> /pallet
-	30	600	1200	14.40	172.80
-	40	600	1200	12.96	155.52
-	50	600	1200	10.08	120.96
-	60	600	1200	8.64	103.68
-	80	600	1200	5.76	69.12
-	100	600	1200	4.32	51.84
-	120	600	1200	4.32	51.84
5001684	50	1200	2400	-	138.24
5001683	100	1200	2400	-	69.12

## SAGLAN T-SA 30



### Technical characteristics

Density  $\rho$ : ca. 30 kg/m<sup>3</sup>  
 Reaction to fire: A1

Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK	0.033	0.035	0.037	0.040	0.042	0.053	0.065	0.079	0.097	

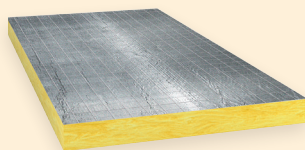
Semi-rigid slab made of glass wool.



Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /package	m <sup>2</sup> /pallet
-	20	600	1200	23.04	276.48
-	25	600	1200	17.28	207.36
-	30	600	1200	15.84	190.08
-	40	600	1200	11.52	138.24
-	50	600	1200	8.64	103.68
-	60	600	1200	7.20	86.40
-	80	600	1200	5.76	69.12
-	100	600	1200	4.32	51.84
-	120	600	1200	4.32	51.84

# SAGLAN Technical insulation slabs

## SAGLAN T-SA 30 A (with pure aluminium, gridded)



Semi-rigid slab made of glass wool, one side coated with pure aluminium gridded.



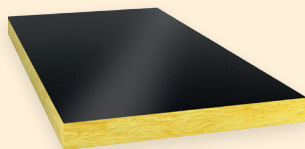
### Technical characteristics

Density  $\rho$ : ca. 30 kg/m<sup>3</sup>  
 Reaction to fire: 20 mm: A2-s1, d0 30 – 120 mm: A1

Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK		0.031	0.032	0.034	0.037	0.039	0.048	0.060	0.073	0.089

Item number	Thickn. mm	Width mm	Length mm	Slabs / pal.	m <sup>2</sup> /pallet
–	20	600	1200		On request
–	30	600	1200		
–	50	600	1200		
–	60	600	1200		
–	80	600	1200		
–	100	600	1200		
–	120	600	1200		
5002055	20	1200	2000	42	100.80
5002056	30	1200	2000	28	67.20
5002057	50	1200	2000	17	40.80
5002058	100	1200	2000	8	19.20

## SAGLAN T-SA 35 G (with black glass fabric)



Rigid slab made of glass wool, one side coated with black glass fabric.



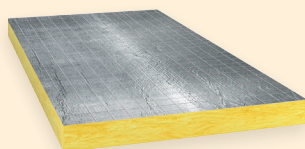
### Technical characteristics

Density  $\rho$ : ca. 35 kg/m<sup>3</sup>  
 Reaction to fire: A1

Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK		0.031	0.032	0.034	0.037	0.039	0.048	0.060	0.073	0.089

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /package	m <sup>2</sup> /pallet
–	20	600	1200	17.28	207.36
–	30	600	1200	11.52	138.24
–	50	600	1200	7.20	86.40
–	60	600	1200	5.76	69.12
–	80	600	1200	4.32	51.84
–	100	600	1200	3.60	43.20
–	120	600	1200	2.88	34.56
5004955	50	1200	1800	–	51.84
5004956	100	1200	1800	–	25.92

## SAGLAN T-SA 40 A (with pure aluminium, gridded)



Rigid slab made of glass wool, one side coated with pure aluminium gridded.



### Technical characteristics

Density  $\rho$ : ca. 40 kg/m<sup>3</sup>  
 Reaction to fire: A1

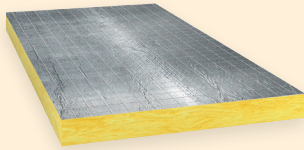
Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK		0.031	0.032	0.034	0.037	0.039	0.048	0.060	0.073	0.089

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /package	m <sup>2</sup> /pallet
5001195	25	600	1200	11.52	138.24
–	30	600	1200	11.52	138.24
5001075	40	600	1200	7.20	86.40
5001045	50	600	1200	5.76	69.12
–	60	600	1200	5.76	69.12
–	80	600	1200	4.32	51.84
–	100	600	1200	3.60	43.20
–	120	600	1200	2.88	34.56



# SAGLAN Technical insulation slabs

## SAGLAN T-SA 50 A (with pure aluminium, gridded)



Rigid slab made of glass wool, one side coated with pure aluminium gridded.



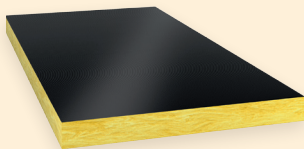
### Technical characteristics

Density  $\rho$ : ca. 50 kg/m<sup>3</sup>  
Reaction to fire: A1

Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK	0.031	0.032	0.034	0.037	0.039	0.048	0.060	0.073	0.089	

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /package	m <sup>2</sup> /pallet
	20	600	1200	14.40	172.80
5001022	30	600	1200	10.08	120.96
5001087	40	600	1200	7.20	86.40
5001088	50	600	1200	5.76	69.12
-	60	600	1200	4.32	51.84
-	80	600	1200	3.60	43.20
-	100	600	1200	2.88	34.56
-	120	600	1200	2.16	25.92

## SAGLAN T-SA 50 G (with black glass fabric)



Rigid slab made of glass wool, one side coated with black glass fabric.



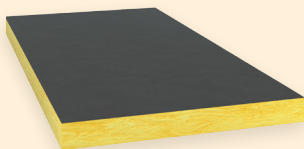
### Technical characteristics

Density  $\rho$ : ca. 50 kg/m<sup>3</sup>  
Reaction to fire: A1

Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK	0.031	0.032	0.034	0.037	0.039	0.048	0.060	0.073	0.089	

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /package	m <sup>2</sup> /pallet
-	30	600	1200	10.08	120.96
-	40	600	1200	7.20	86.40
-	50	600	1200	5.76	69.12
-	60	600	1200	4.32	51.84
-	80	600	1200	3.60	43.20
-	120	600	1200	2.16	25.92
5001956	25	1200	3000	-	158.40
5001957	40	1200	3000	-	108.00
5001959	50	1200	3000	-	79.20
5001951	30	1250	2400	-	120.00

## SAGLAN T-SA 50 Vs (with black glass fibre fleece)



Rigid slab made of glass wool, one side coated with black glass fibre fleece.



### Technical characteristics

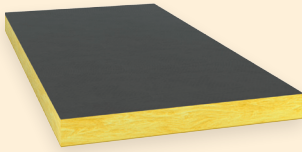
Density  $\rho$ : ca. 50 kg/m<sup>3</sup>  
Reaction to fire: A1

Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK	0.031	0.032	0.034	0.037	0.039	0.048	0.060	0.073	0.089	

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /package	m <sup>2</sup> /pallet
-	25	600	1200	11.52	138.24
-	30	600	1200	10.08	120.96
-	40	600	1200	7.20	86.40
-	50	600	1200	5.76	69.12
-	60	600	1200	4.32	51.84
-	80	600	1200	3.60	43.20
-	100	600	1200	2.88	34.56
-	120	600	1200	2.16	25.92
5001047	30	600	1500	-	144.00
5001292	30	1250	2400	-	120.00
5001049	50	1250	2400	-	144.00
5002005	25	1200	3000	-	158.40
5002051	40	1200	3000	-	108.00
5002054	50	1200	3000	-	79.20

# SAGLAN Technical insulation slabs

## SAGLAN T-SA 50 Vs Vnl (with glass fibre fleece black / nature, long. reinforced)



Rigid slab made of glass wool, coated with black glass fibre fleece and nature glass fibre fleece, longitudinal reinforced.



### Technical characteristics

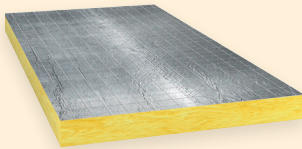
Density  $\rho$ : ca. 50 kg/m<sup>3</sup>  
Reaction to fire: A1

Thermal conductivity:

°C	0	10	20	40	50	100	150	200	250
W/mK	0.031	0.032	0.034	0.037	0.039	0.048	0.060	0.073	0.089

Item number	Thickn. mm	Width mm	Length mm	Slabs / pal.	m <sup>2</sup> /pallet
5001607	25	1200	3000	44	158.40
5001955	40	1200	3000	30	100.80
5001961	50	1200	3000	22	79.20

## SAGLAN T-SA-K 30 A (crimp wrapped, with pure aluminium, gridded)



Semi-rigid, crimp wrapped, hydrophobic, slab made of glass wool.



### Technical characteristics

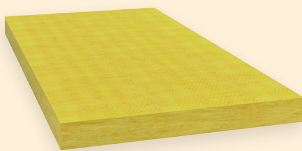
Density  $\rho$ : ca. 30 kg/m<sup>3</sup>  
Reaction to fire: A1

Thermal conductivity:

°C	0	10	20	40	50	100	150	200	250
W/mK	0.033	0.035	0.037	0.040	0.042	0.053	0.065	0.079	0.097

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /package	m <sup>2</sup> /pallet
5004928	30	600	1200	10.08	120.96
5004929	40	600	1200	7.20	86.40
5004930	50	600	1200	5.76	69.12
5004931	60	600	1200	5.01	60.48
5004932	80	600	1200	3.60	43.20
5004933	100	600	1200	3.60	43.20
5004934	120	600	1200	2.88	28.50

## SAGLAN T-ST



Rigid slab made of glass wool.



### Technical characteristics

Density  $\rho$ : ca. 80 kg/m<sup>3</sup>  
Reaction to fire: A1

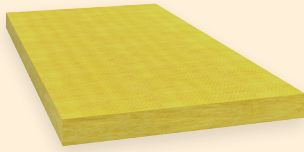
Thermal conductivity:

°C	0	10	20	40	50	100	150	200	250
W/mK	0.031	0.032	0.034	0.037	0.039	0.048	0.060	0.073	0.089

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /package	m <sup>2</sup> /pallet
–	20	600	1250	11.25	180.00
–	25	600	1250	9.00	144.00
–	30	600	1250	7.50	120.00
–	40	600	1250	4.50	72.00
–	50	600	1250	4.50	72.00
–	60	600	1250	3.75	60.00
–	80	600	1250	2.25	36.00
–	100	600	1250	2.25	36.00
–	120	600	1250	1.50	24.00

# SAGLAN Technical insulation slabs

## SAGLAN T-ST 100



### Technical characteristics

Density  $\rho$ : ca. 100 kg/m<sup>3</sup>  
 Reaction to fire: A1

Wärmeleitfähigkeit:

°C	0	10	20	40	50	100	150	200	250
W/mK	0.031	0.032	0.034	0.037	0.039	0.048	0.060	0.073	0.089

Rigid slab made of glass wool.



Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /package	m <sup>2</sup> /pallet
-	15	600	1250	15.00	240.00
-	20	600	1250	11.25	180.00
-	25	600	1250	9.00	144.00
-	30	600	1250	7.50	120.00
-	40	600	1250	4.50	72.00
-	50	600	1250	4.50	72.00

Thermal insulation pipes Ventilation Tanks/Containers Fire protection Sound insulation/Acoustics

# SAGLAN Wool and Accessories

## SAGLAN Wool TE



### Technical characteristics

Density  $\rho$ : ca. 14 – 16 kg/m<sup>3</sup>  
 Reaction to fire: A1

White, loose glass fibre wool.



Item number	Packaging
5206831	Rolls in PE sacks

## SAGER Alu Tape HF

Pure aluminum adhesive tape with a halogen-free special adhesive.



Item number	Width mm	Length roll mm	Rolls / carton
5047052	50	25	72
5047053	75	25	48

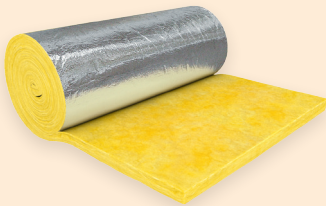
## SAGLAN Recycling Bag

For glass wool only.  
 (Available in CH / SWE)

Item number	Piece / carton	Content / Bag l
5041340	125	250

# SAGLAN Technical insulation rolls

## SAGLAN T-R 300 A (with pure aluminium, gridded)



Insulation roll made of glass wool, coated with pure aluminium, gridded.



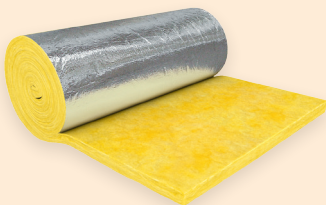
### Technical characteristics

Density  $\rho$ : ca. 15 kg/m<sup>3</sup>  
 Reaction to fire: 25 – 40 mm: A2-s1, d0 50 – 120 mm: A1

Thermal conductivity:		°C	0	10	20	40	50	100	150	200	250
W/mK		0.035	0.038	0.040	0.045	0.048	0.064	0.083	0.107	0.139	

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /roll	m <sup>2</sup> /pallet
5001358	25	1200	2 x 10000	24.00	576.00
5001359	30	1200	2 x 9000	21.60	518.40
5001495	40	1200	16000	19.20	460.80
5001494	50	1200	14000	16.80	403.20
–	60	1200	10000	12.00	288.00
–	80	1200	9000	10.80	259.20
–	100	1200	7000	8.40	201.60
–	120	1200	6000	7.20	172.80

## SAGLAN T-R 400 A (with pure aluminium, gridded)



Insulation roll made of glass wool, coated with pure aluminium, gridded.



### Technical characteristics

Density  $\rho$ : ca. 20 kg/m<sup>3</sup>  
 Reaction to fire: 25 mm: A2-s1, d0 50 – 100 mm: A1

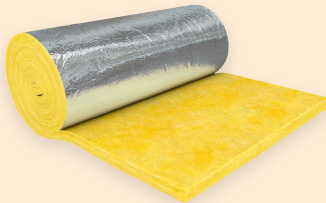
Thermal conductivity:		°C	0	10	20	40	50	100	150	200	250
W/mK		0.035	0.038	0.040	0.045	0.048	0.064	0.083	0.107	0.139	

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /roll	m <sup>2</sup> /pallet
5001282	25	1200	18000	21.60	388.80
5001283	50	1200	10000	12.00	216.00
5001286	80	1200	6000	7.20	129.60
5001287	100	1200	6000	7.20	129.60

 Thermal insulation pipes
  Ventilation
  Tanks/Containers
  Fire protection
  Sound insulation/Acoustics

# SAGLAN Technical insulation rolls

## SAGLAN T-SI 25 A Ductwrap (with pure aluminium, gridded)



Insulation roll made of glass wool, coated with pure aluminium, gridded.



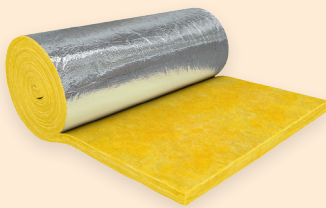
### Technical characteristics

Density  $\rho$ : ca. 25 kg/m<sup>3</sup>  
 Reaction to fire: 25-30 mm: A2-s1, d0 35 – 100 mm: A1

Thermal conductivity:	°C	10	50	75	125
W/mK	0.032	0.040	0.045	0.057	

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /roll	m <sup>2</sup> /pallet
5001288	25	1200	18000	21.60	388.80
5001289	40	1200	12000	14.40	259.20
5001465	50	1200	9000	10.80	194.40
5001661	100	1200	5000	6.00	108.00

## SAGLAN T-SI 30 A (with pure aluminium, gridded)



Insulation roll made of glass wool, coated with pure aluminium, gridded.



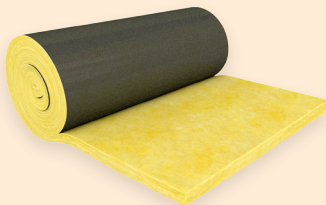
### Technical characteristics

Density  $\rho$ : ca. 30 kg/m<sup>3</sup>  
 Reaction to fire: A1

Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK	0.031	0.032	0.034	0.037	0.039	0.048	0.060	0.073	0.089	

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /roll	m <sup>2</sup> /pallet
5002004	25	1200	15000	18.00	324.00
5001502	30	1200	15000	18.00	324.00
5001503	40	1200	10000	12.00	216.00
5001504	50	1200	10000	12.00	216.00
5001507	60	1200	8000	7.20	129.60
5001508	80	1200	6000	6.60	118.80

## SAGLAN T-SI 30 Vsl (with glass fibre fleece black, longitudinal reinforced)



Insulation roll made of glass wool, coated with black glass fibre fleece, longitudinal reinforced.



### Technical characteristics

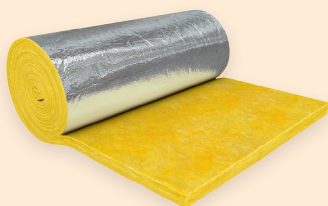
Density  $\rho$ : ca. 30 kg/m<sup>3</sup>  
 Reaction to fire: A1

Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK	0.031	0.032	0.034	0.037	0.039	0.048	0.060	0.073	0.089	

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /roll	m <sup>2</sup> /pallet
–	25	1200	15000	18.00	324.00
–	30	1200	15000	18.00	324.00
–	40	1200	10000	12.00	216.00
–	50	1200	10000	12.00	216.00
–	60	1200	8000	7.20	129.60
–	80	1200	6000	6.60	118.80

# SAGLAN Technical insulation rolls

## SAGLAN T-SI 30 A-O (with pure aluminium tearproof / UV resistant)



Insulation roll made of glass wool, coated with pure aluminium, gridded.



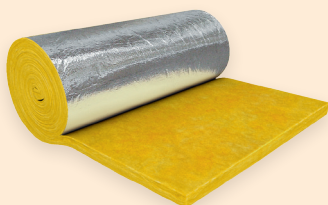
### Technical characteristics

Density  $\rho$ : ca. 30 kg/m<sup>3</sup>  
Reaction to fire: A1

Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK	0.031	0.032	0.034	0.037	0.039	0.048	0.060	0.073	0.089	

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /roll	m <sup>2</sup> /pallet
–	25	1200	15000	18.00	324.00
–	30	1200	15000	18.00	324.00
–	40	1200	10000	12.00	216.00
–	50	1200	10000	12.00	216.00
–	60	1200	8000	7.20	129.60
–	80	1200	6000	6.60	118.80

## SAGLAN T-SI-K 30 A (crimp wrapped, with pure aluminium)



Insulation roll made of glass wool, crimp wrapped, hydrophobic, coated with pure aluminium, gridded.



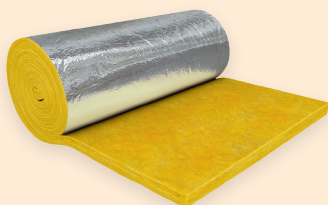
### Technical characteristics

Density  $\rho$ : ca. 30 kg/m<sup>3</sup>  
Reaction to fire: A1

Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK	0.033	0.035	0.037	0.040	0.042	0.053	0.065	0.079	0.097	

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /roll	m <sup>2</sup> /pallet
5001902	30	1200	2 x 6000	14.40	259.20
5001975	40	1200	2 x 5000	12.00	216.00
5001791	50	1200	6500	7.80	156.00
5001434	60	1200	6000	7.20	144.00
5001435	80	1200	5000	6.00	120.00
5001792	100	1200	4000	4.80	96.00
5001436	120	1200	3500	4.20	84.00
–	30	2 x 600	2 x 6000	14.40	259.20
–	40	2 x 600	2 x 6000	12.00	216.00

## SAGLAN T-SI-K 30 A-O (crimp wrapped, with pure alu. tearproof / UV resistant)



Insulation roll made of glass wool, crimp wrapped, hydrophobic, coated with pure aluminium, gridded.



### Technical characteristics

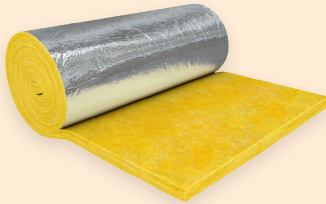
Density  $\rho$ : ca. 30 kg/m<sup>3</sup>  
Reaction to fire: A1

Thermal conductivity:	°C	0	10	20	40	50	100	150	200	250
W/mK	0.033	0.035	0.037	0.040	0.042	0.053	0.065	0.079	0.097	

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /roll	m <sup>2</sup> /pallet
–	30	1200	2 x 6000	14.40	259.20
–	40	1200	2 x 5000	12.00	216.00
–	50	1200	6500	7.80	156.00
–	60	1200	6000	7.20	144.00
–	80	1200	5000	6.00	120.00
–	100	1200	4000	4.80	96.00
–	120	1200	3500	4.20	84.00
–	30	2 x 600	2 x 6000	14.40	259.20
–	40	2 x 600	2 x 6000	12.00	216.00

# SAGLAN 400 °C insulation

## SAGLAN T-R HT400 KA (crimp wrapped, with pure aluminium, gridded)



Insulation roll made of glass wool, crimp wrapped, hydrophobic, coated with pure aluminium, gridded.



### Technical characteristics

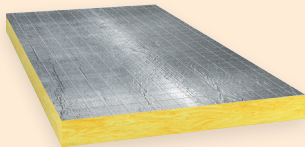
Density  $\rho$ : ca. 30 kg/m<sup>3</sup>  
 Reaction to fire: A1  
 Application temp. limit:  $\leq 400^\circ\text{C}$

### Thermal conductivity:

°C	0	10	20	40	50	100	150	200	250	300	350	400
W/mK	0.033	0.035	0.037	0.040	0.042	0.053	0.065	0.079	0.097	0.120	0.148	0.181

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /roll	m <sup>2</sup> /pallet
5007160	40	1200	2 x 6000	14.40	259.20
5007161	50	1200	9000	10.80	194.40
5007162	60	1200	8000	9.60	172.80
5007163	80	1200	6000	7.20	129.60
5007164	100	1200	5000	6.00	108.00
5007165	120	1200	4500	5.40	97.20

## SAGLAN T-P HT400 KA (crimp wrapped, with pure aluminium, gridded)



Insulation slab made of glass wool, crimp wrapped, hydrophobic, coated with pure aluminium, gridded.



### Technical characteristics

Density  $\rho$ : ca. 30 kg/m<sup>3</sup>  
 Reaction to fire: A1  
 Application temp. limit:  $\leq 400^\circ\text{C}$

### Thermal conductivity:

°C	0	10	20	40	50	100	150	200	250	300	350	400
W/mK	0.033	0.035	0.037	0.040	0.042	0.053	0.065	0.079	0.097	0.120	0.148	0.181

Item number	Thickn. mm	Width mm	Length mm	m <sup>2</sup> /roll	m <sup>2</sup> /pallet
5007170	40	600	1250	10	On request
5007171	50	600	1250	8	
5007172	60	600	1250	6	
5007173	80	600	1250	5	
5007174	100	600	1250	4	
5007175	120	600	1250	3	

Thermal insulation pipes Ventilation Tanks/Containers Fire protection Sound insulation/Acoustics

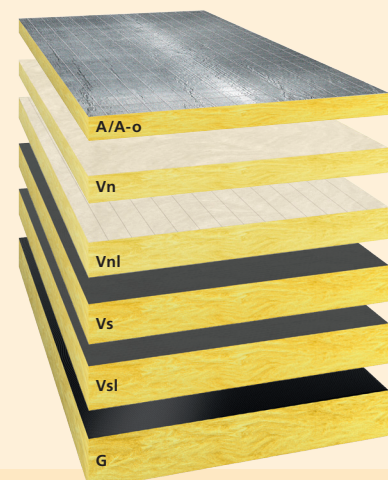
## Coatings

Name	Coating
A	Pure aluminium gridded*
A-o	Pure aluminium tearproof, gridded*, and UV resistant
Vn	Glass fibre fleece natur, 35 g/m <sup>2</sup>
Vnl	Glass fibre fleece natur, long. reinforced
Vs	Glass fibre fleece black
Vsl	Glass fibre fleece black, long. reinforced
G	Glass fabric black

Other coatings on request \* Temperature strain on the lining:  $\leq 100^\circ\text{C}$

## Individual cut

Other dimensions on request.



# Simply a better insulation

Insulation products by SAGER are the perfect solution for your high demands. With our long-standing experience with glass wool as an insulation material, we are your competent partner to cover all your special needs.

- ▶ Our product quality gives builder-owners, planners and processors the necessary security for handling the technical insulation.
- ▶ Our unique service will convince you.

Our PIPELANE pipe sections are made of natural quartz sand and are therefore resistant to ageing and rotting. They have outstanding material properties, are water-repellent, moisture-resistant, dimensionally stable and highly secure in case of a fire. At the same time, glass wool is light and elastic.

They do not impair your health due to their high biosolubility, which is confirmed by the quality seals EUCEB and RAL.

SAGER is the Swiss premium brand for innovative thermal and sound insulation. We offer custom-tailored solutions as well as a fast and reliable service. SAGER represents more living comfort and high energy efficiency, protects the environment and helps to save costs.

- ▶ Individually cut to specifications
- ▶ High quality
- ▶ Sustainable products
- ▶ Unbeatable service
- ▶ Reliable and customer-oriented
- ▶ International certifications
- ▶ Strategic partner and memberships



The notices, suggestions and examples contained in this publication are based on our present state of knowledge and refer to normal application cases often encountered in practice. It is the responsibility of the planners to take all influences into account and apply our specifications accordingly. We cannot assume any responsibility for individual cases with this publication.

© Sager AG, CH-5724 Dürrenäsch

Your distribution partner:



Sager AG  
CH-5724 Dürrenäsch  
www.sager.ch

Tel. +41 62 767 87 87  
Fax +41 62 767 87 80  
info@sager.ch

