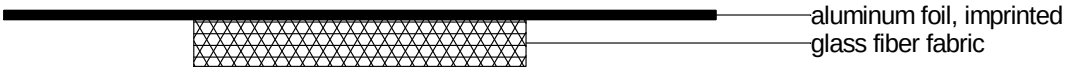
Westerfeldstraße 13
32758 Detmold - Germany
phone: +49 (5231) 96 07-0
fax: +49 (5231) 96 07-50
E-mail: info-ic@steinbach-tech.de
Internet: www.steinbach-tech.de

Niederlassung Süd
Im Lehrer Feld 9
89081 Ulm - Germany
phone: +49 (731) 1 40 13 80
fax: +49 (731) 1 40 13 88

Technical Data Sheet **Pipe Insulating Composite**



The Pipe Insulating composite consists of a high-temperature resistant textile glass fiber fabric manufactured from continuous glass fibers, which is then covered with heat reflecting aluminium foil.

Technical Data			
Type (Insulating Composite …)		**65**	**100**
Width of Glass Fiber Fabric (approximate)	[mm]	65.0	100.0
Width of Aluminum Foil (approximate)	[mm]	100.0	150.0
Thickness according to DIN EN ISO 5084 (approximate)	[mm]	5.0	
Weight (approximate)	[g/m]	140.0	240.0
Roll Length (approximate)	[m]	5.5	
Thermal Stability Long Time	[°C]	550	
Thermal Stability Short Time	[°C]	600	
Cold Resistance	[°C]	- 25	
Burning Behavior		Non-combustible	

Main Function: Thermally insulating pipe (e.g.: exhaust lines, process gas lines, particle filters, thermal oil lines etc.)

Processing: See special processing hints

Storage Conditions: Dry at temperatures from 18 - 35 °C
Max. storage time: unlimited

Approximate required quantities per meter of pipe (Insulation Tape Type 100)

pipe diamater	required for 1 layer	required for 2 layers	required for 3 layers
[mm]	[m]	[m]	[m]
100	3.5	7.0	14.0
150	5.0	10.0	20.0
200	6.5	13.0	26.5
250	8.0	16.0	33.0
300	9.5	19.5	39.0
350	11.0	22.5	45.0
400	13.0	25.5	51.5

Westerfeldstraße 13
32758 Detmold - Germany
phone: +49 (5231) 96 07-0
fax: +49 (5231) 96 07-50
E-mail: info-ic@steinbach-tech.de
Internet: www.steinbach-tech.de

Niederlassung Süd
Im Lehrer Feld 9
89081 Ulm - Germany
phone: +49 (731) 1 40 13 80
fax: +49 (731) 1 40 13 88

Technical Data Sheet **Pipe Insulating Composite**

Approximate Surface Temperatures (at 20 °C ambient temperature)

The mentioned values were determined by an experimental setup. Therefore, they can serve only as non-binding approximate values for other installation situations.

Pipe Temperature	Pipe Diameter	Surface Temperature with 3 Layers	Surface Temperature with 4 Layers
[°C]	[mm]	[°C]	[°C]
200	100	67	59
300	100	91	78
350	100	104	89
400	100	118	100
450	100	132	112
500	100	148	125
550	100	164	139
200	200	69	60
300	200	93	80
350	200	107	92
400	200	122	104
450	200	137	117
500	200	153	131
550	200	170	145
200	300	70	61
300	300	94	82
350	300	108	94
400	300	123	106
450	300	139	119
500	300	155	133
550	300	172	147