

Product: Sonotex



Material:

Sonotex is made of perforated **Alutex** inner duct as the basic duct, thermal insulation of glass wool 25 mm thick and external jacket made of polyester laminated aluminium foil. Due to its exceptional flexibility it is easy to install on circular and oval connectors.

Application:

Sonotex is lightweight flexible, acoustically insulated duct designed for the installation in ventilation and air conditioning systems.

Product construction:

The product Flexible duct „Sonotex A21/G25J“ include the following components:

- Inner core: Multilayer of Aluminium and Polyester,
- Insulation: a green glass wool with 25 mm thick and 16 kg/m³ density
- Outer core: Multilayer of Aluminium and Polyester
- Polyester barrier 12 µm between insulation and inner duct

Properties:

Good flexibility
Good compression
Reduction of noise

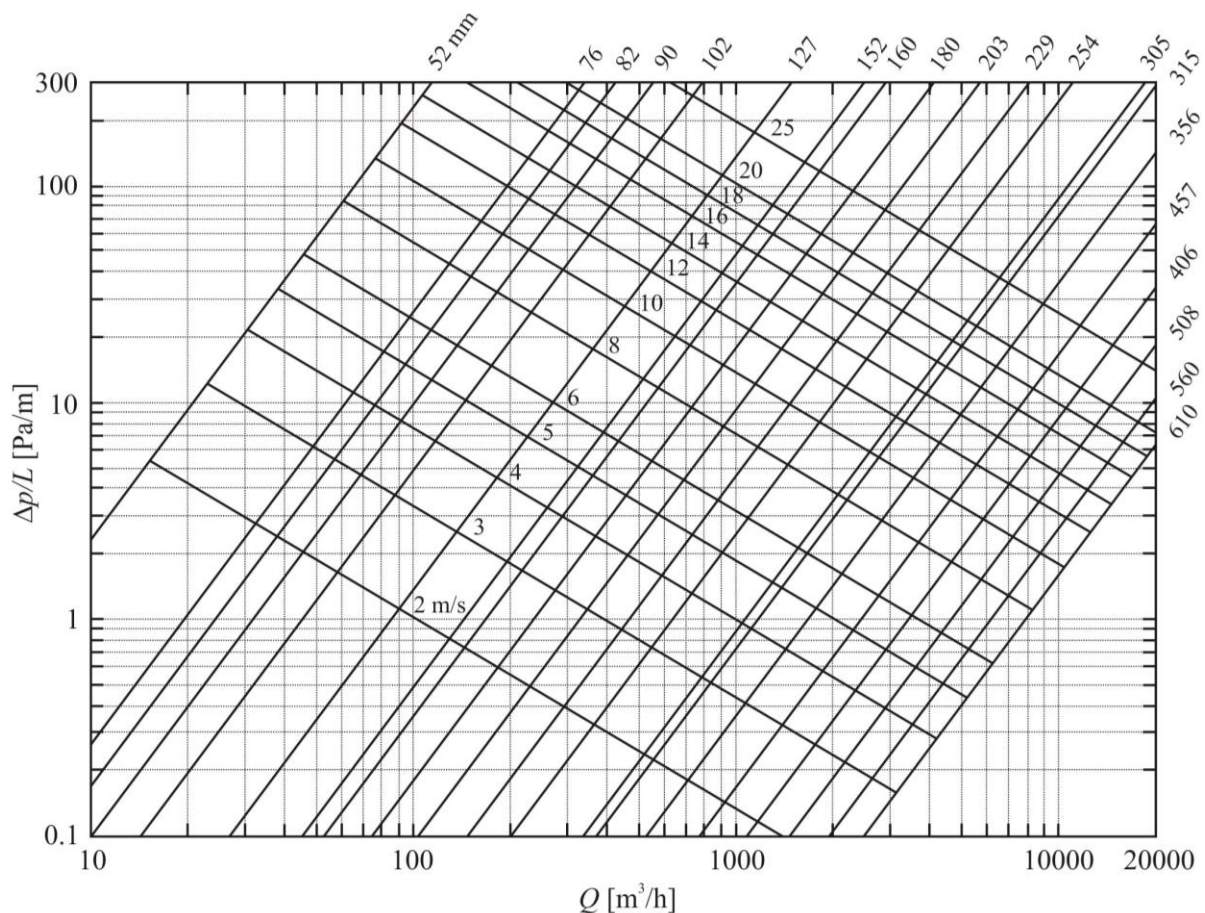
Specification:

Product code: given in the table bellow,
Working temperature: from -30° C to +140° C,
Max. working pressure: +2500 Pa,
Thermal Conductivity: R=0,037 W/mK,
R-value glass wool: 0,65 m²K/W
Diameters: from 82 mm to 508 mm,
Standard length: 10 m.

Classification:

- **FR (NF): M1**
- The **Sonotex A21/G25J** fulfils all the requirements and are classified as specified within **EN 13180: Ventilation for buildings – Ductwork – Dimensions and mechanical requirements for flexible ducts**.
- **EU (EN 13501-1) B-s1, d0**

Pressure loss:



Pressure drop per unit length $\Delta p/L$ for the maximum stretched
straight ducts model "SONOTEX"

PRODUCT TECHNICAL SPECIFICATION

Sound attenuation:

Sonotex									
Insulation 25mm									
Dn (mm)	L (m)	f (Hz)							
		63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
100	1	11	15	21	25	34	29	31	22
125	1	9	13	21	24	26	26	31	21
160	1	5	8	12	29	28	27	31	18
200	1	2	6	13	23	22	27	23	17
250	1	4	10	17	19	19	21	14	14
315	1	3	16	18	17	19	16	10	8
406	1	2	9	17	15	20	10	5	3
100	2	13	17	22	25	43	48	31	22
125	2	13	13	21	26	34	37	32	24
160	2	14	15	17	27	35	44	36	26
200	2	8	11	21	26	39	29	34	20
250	2	3	7	17	24	27	27	23	19
315	2	5	13	21	20	22	24	16	11
406	2	7	14	16	16	22	16	8	6
100	3	16	17	28	39	43	48	32	22
125	3	14	18	27	38	41	44	33	25
160	3	17	17	25	37	39	37	37	27
200	3	22	21	23	35	38	36	39	28
250	3	5	10	20	30	32	28	32	24
315	3	9	18	21	25	30	28	23	16
406	3	8	18	17	18	22	20	13	8

PRODUCT TECHNICAL SPECIFICATION



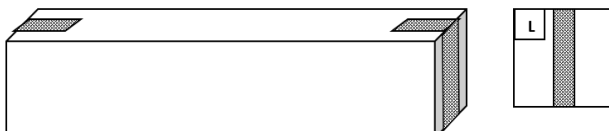
Table: Ordering information

Product code	Product name	Diam.	Length	Pallette dim.	Pcs. per box	Boxes per pall.
		mm	m	cm		
A21SG25J082/10	Sonotex A21/G25J - dia. 082 mm x 10 m	82	10	100x120	1	72
A21SG25J102/10	Sonotex A21/G25J - dia. 102 mm x 10 m	102	10	100x120	1	72
A21SG25J112/10	Sonotex A21/G25J - dia. 112 mm x 10 m	112	10	100x120	1	72
A21SG25J120/10	Sonotex A21/G25J - dia. 120 mm x 10 m	120	10	100x120	1	66
A21SG25J127/10	Sonotex A21/G25J - dia. 127 mm x 10 m	127	10	100x120	1	66
A21SG25J133/10	Sonotex A21/G25J - dia. 133 mm x 10 m	133	10	100x120	1	66
A21SG25J140/10	Sonotex A21/G25J - dia. 140 mm x 10 m	140	10	100x120	1	50
A21SG25J152/10	Sonotex A21/G25J - dia. 152 mm x 10 m	152	10	100x120	1	50
A21SG25J160/10	Sonotex A21/G25J - dia. 160 mm x 10 m	160	10	100x120	1	45
A21SG25J165/10	Sonotex A21/G25J - dia. 165 mm x 10 m	165	10	100x120	1	45
A21SG25J185/10	Sonotex A21/G25J - dia. 185 mm x 10 m	185	10	100x120	1	32
A21SG25J203/10	Sonotex A21/G25J - dia. 203 mm x 10 m	203	10	100x120	1	32
A21SG25J229/10	Sonotex A21/G25J - dia. 229 mm x 10 m	229	10	100x120	1	21
A21SG25J254/10	Sonotex A21/G25J - dia. 254 mm x 10 m	254	10	100x120	1	18
A21SG25J280/10	Sonotex A21/G25J - dia. 280 mm x 10 m	280	10	100x120	1	15
A21SG25J305/10	Sonotex A21/G25J - dia. 305 mm x 10 m	305	10	100x120	1	15
A21SG25J315/10	Sonotex A21/G25J - dia. 315 mm x 10 m	315	10	100x120	1	10
A21SG25J356/10	Sonotex A21/G25J - dia. 356 mm x 10 m	356	10	100x120	1	10
A21SG25J406/10	Sonotex A21/G25J - dia. 406 mm x 10 m	406	10	100x120	1	8
A21SG25J457/10	Sonotex A21/G25J - dia. 457 mm x 10 m	457	10	100x120	1	6
A21SG25J508/10	Sonotex A21/G25J - dia. 508 mm x 10 m	508	10	100x120	1	6

PRODUCT TECHNICAL SPECIFICATION

Packaging information:

L = the position of the label in the upper left corner, straight to the edges



Box Colour: White

Maximum pallet height: 2,40 m

Label on box: White color, 70x90mm

