

r. **Flow[®]A**
lamella mat
made of mineral wool



Energy to live

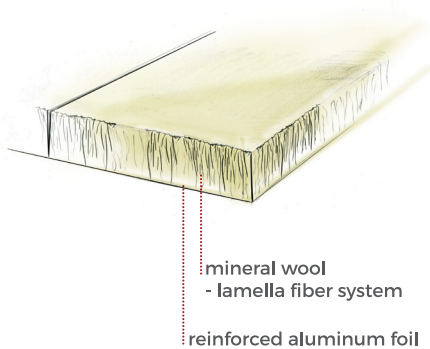
ROHHE[®]

Product

r. **Flow[®]A**

is a lamella mineral wool mat covered with reinforced aluminum foil. The mineral wool used has fibers perpendicular to the insulated surface (lamellar system).

Product structure

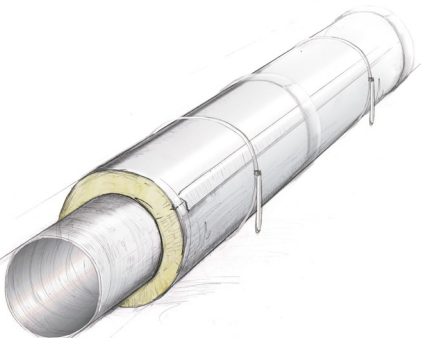


Application

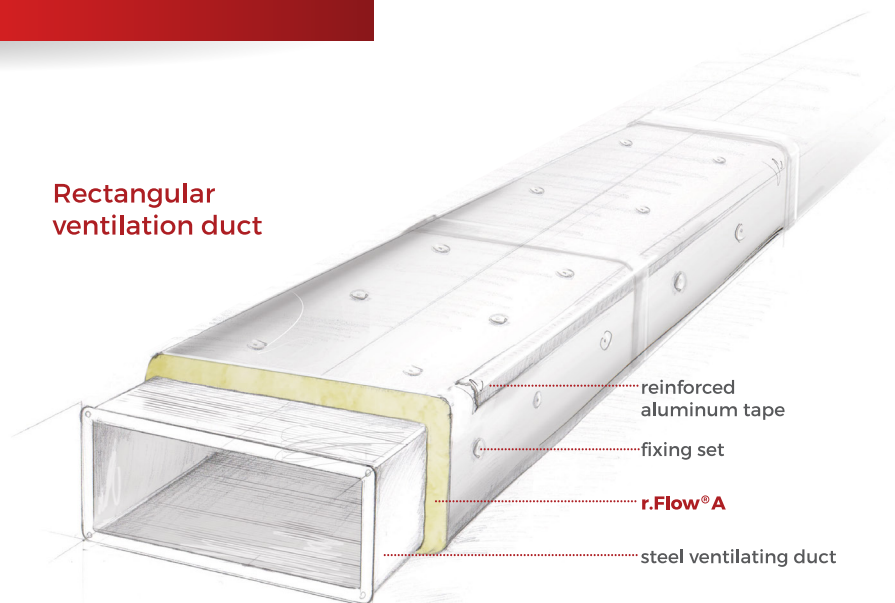
r. **Flow[®]A**

is designed for thermal, anti-condensation and acoustic insulation for ventilation and air conditioning ducts. This product is also used for insulation of heating systems.

Round ventilation duct



Rectangular ventilation duct

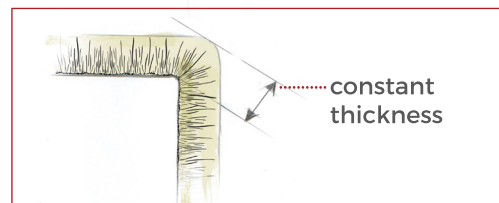


Advantages of lamella fiber system

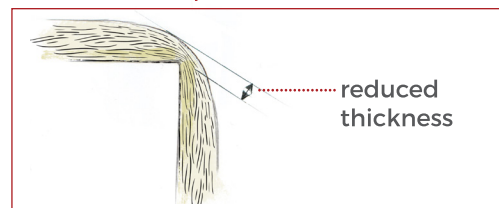
r.**Flow**[®]**A**

has lamella system of mineral wool fiber because of that the thickness of insulation remains constant all over the surface. This is especially important in corners and bends of isolated elements. Thanks to its construction, r.**Flow**[®]**A** is resistant to squeezing, thus maintaining excellent flexibility and consistency.

Lamella mat - perpendicular fibers



Traditional mat - parallel fibers



Technical information

PARAMETER	VALUE	UNIT	SYMBOL	NORM
declared thermal conductivity (temperature 10°C)	0,038	W/m·K	λ_d	EN 12667
reaction to fire class	incombustible	-	A1	EN 13501-1
maximum service temperature	250	°C	ST(+)250	EN 14706
water absorption (short-term)	≤ 1	kg/m ²	WS1	EN 1609
tolerance of thickness	-3 / +5	mm	T4	EN 823
Product CE code	MW - EN 14303 - T4 - ST(+)250 - WS1			
Norm	PN-EN 14303+A1:2013-07			
GUM Hygienic Certificate	nr 412/322/430/2016			
Declaration of Performance (DoP)	DoP-fwa-2018 (www.rohhe.pl)			



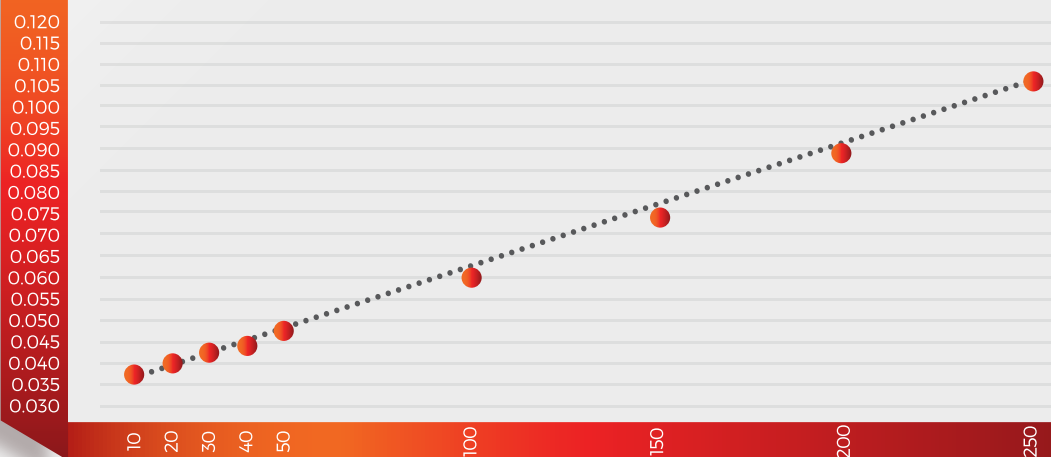
The value of declared thermal conductivity (λ_d) at selected mean temperatures

temperature [°C]

	10	20	30	40	50	100	150	200	250
λ_d [W/m·K]	0,038	0,040	0,042	0,044	0,047	0,059	0,073	0,087	0,107

thermal conductivity - λ_d [W/m·K]

Change the thermal conductivity according to the average temperature



average temperature - t_{avg} [°C]

Packing method



r.Flow®A has the form of uncompressed rolled mat. Every roll is packed in a leak-proof LDPE bag. The bag is sealed, which guarantees full protection against moisture.

25 **r.Flow®A** rolls are arranged on a wooden pallet (2.4 x 1.0 m) in three layers. Two bottom layers consist of 20 rolls arranged vertically. 5 rolls top the pallet. It all is from top to bottom secured with two durable LDPE capes and additional wrappers stretch foil. Such a way of packaging effectively protects the product from damage during transportation and during storage operations. It also enables safe storage outdoors in all weather conditions.



Dimensions and quantities

THICKNESS	LENGTH	WIDTH	NUMBER IN A ROLL	NUMBER ON A PALETTE
mm	mm	mm	m ²	m ²
20	12 000	1 000	20	300
25	10 000	1 000	10	250
30	8 000	1 000	8	200
40	6 000	1 000	6	150
50	5 000	1 000	5	125
60	4 000	1 000	4	100
80	3 000	1 000	3	75
100	2 500	1 000	2,5	62,5

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