

Thermaflex introduces Thermaflex AC Coil, a continuous coil of Thermaflex AC in a handy box, for fast and economic installation in airconditioning and cooling applications, hot and cold water applications, and chilled water pipes.

Box opening for easy dispensing of required insulation coil

Printed ruler for easy measuring

One box price, independent of dimensions

High quality insulation material with excellent properties:
 $\lambda_0 = 0,034 \text{ W/mK}$, $\mu \geq 7.000$, M1, B1, Class O, temp. range $-80^\circ\text{C} \div +95^\circ\text{C}$

Available in many sizes

Practical box design for easy handling



Properties of Thermaflex AC Coil:

- Strong and flexible
- Excellent thermal conductivity
- High μ -value of > 7000
- Low smoke density
- UV resistant
- Excellent fire safety performance
- Fully recyclable
- Easy to install

Product Range:

Outer diameter [mm]	Insulation thickness					
	C=6 mm		E=9 mm		J=13 mm	
	Code	m/box	Code	m/box	Code	m/box
6	C-6	50	E-6	40	-	-
8	C-8	48	E-8	37	-	-
10	C-10	46	E-10	34	-	-
12	C-12	40	E-12	31	J-12	18
15	C-15	38	E-15	27	J-15	17
18	C-18	30	E-18	23	J-18	15
22	C-22	23	E-22	19	J-22	14
28	C-28	20	E-28	14	J-28	10



Thermaflex AC is also available in tubes of 2 meter length and in sheet.

Thermaflex AC Coil

Technical properties

Physical properties	Testmethode	Data
Density	ASTM D 1667	25 - 35 kg/m ³
Cell structure	Digital Analysis	Very fine, closed cells
Colour		Anthracite
Thermal conductivity (λ)	DIN 52612/52613	0,034 W/mK at 0°C 0,038 W/mK at 40°C
Temperature range	DSC scan	from -80°C to +95°C
Water-vapour diffusion resistance (μ)	DIN 52615	≥ 7000
UV resistance	ISO 4892-2 Xenon-arc sources	> 10 years
Odour		Neutral
Compression strength	ISO 844 /DIN 53577	Force 10% 0,035-0,045 N/mm ² Force 20% 0,045-0,055 N/mm ² Force 50% 0,060-0,080 N/mm ²
Compression set	ISO 844/DIN 53577	0 (direct rebound): 90-95% 1 (rebound after 1 hour) 98-100%
Fire performance	Germany: DIN 4102 The Netherlands: NEN 6065	B1 Flash over: Class 1 Spread of flame: Class 2
	UK: BS 476 Part 7 UK: BS 476 Part 6 UK: BS 476 Part 5 France: P – 92507	Class 1 Class 0 Passed M1
Smoke density	The Netherlands: NEN 6066 ASTM E662 – 97	Smoke number: $D_{L,max} = 1.5 \text{ m}^{-1}$ Burning D4 min = 70 Not burning D4 min = 25
Toxicity	Airbus Directive ABD 0031	Pass (both burning and not burning) Fumes do not contain cyanides, nitrous and sulphureous gasses
Puncture resistance	Shearing force caused by a 1mm rounded point	No damage
Tear strength	DIN 53577	Good
Chemical resistance	ASTM D 543	Excellent



Thermaflex Group of Companies

Thermaflex operates in many international markets in Europe, the Middle East and Asia. The group has subsidiaries in Holland, Poland, Germany, Austria, Spain, Turkey, Russia and Thailand. The quality management systems comply with ISO 9001 and 14001. In addition to Thermaflex AC SmartLine the Thermaflex products range contains a wide range of technical insulation products, profiles, heating cables and pre-insulated pipes.

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