



ONEFLEX

OPTIMAL SOLUTION FOR EXPERTS



- Wide range.
- Optimal solution for professional installations.
- Sheets available up to 1,5 meter width for easier and more economical duct installations.
  
- Strong water vapour transmission resistance.
- Reaction to Fire Class B (EN 13501-1)
- Ease of installation due to excellent flexibility.

## Technical Data - Oneflex

Brief description	Highly-flexible, closed-cell insulation material with strong water vapour diffusion resistance, low thermal conductivity
Material type	Elastomeric foam based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304.
Colour	Black
Material Special Information	Self-adhesive coating: pressure-sensitive adhesive coating with mesh structure, covered with polyethylene foil. Traces of silicon can be found on the protection paper/foil used to protect self-adhesive closures.

Property	Value/Assessment	Test <sup>1</sup>	Super- vision <sup>*2</sup>	Special Remark
<b>Temperature Range</b>				
Temperature Range	max. service temperature	110 °C	EU 7126	● Tested according to: EN 14706 EN 14707 EN 14304
	min. service temperature	-50 °C		
<b>Thermal Conductivity</b>				
Thermal Conductivity <sup>1</sup>	$\vartheta_m = \pm 0 \text{ °C}$	$\lambda =$	EU 7126	● Declared acc. to EN ISO 13787 Tested acc. to EN 12667 EN ISO 8497
	Tubes and sheets $\lambda \leq 0.035 \text{ W/(m} \cdot \text{K)}$	$[35 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2]/1000$		
<b>Water vapour diffusion resistance</b>				
Water vapour diffusion resistance	tubes	$\mu \geq 5.000$	EU 7126	● Tested acc. to EN 12086 EN 13469
	sheets	$\mu \geq 5.000$		
<b>Fire performance</b>				
Reaction to fire	tubes	B <sub>L</sub> -s3, d0	EU 7126	● Classified acc. to EN 13501-1 Tested acc. to EN 13823 and EN ISO 11925-2
	sheets	B-s3,d0		
Practical Fire Behaviour	Self-extinguishing, does not drip, does not spread flames			
<b>Other technical features</b>				
Dimensions and tolerances	In accordance with EN 14304, table 1		EU 7126	● Tested according to EN 822, EN 823, EN 13467
UV resistance <sup>1</sup>	Protection against UV-radiation is necessary. If applied under UV-radiation, the material must be protected maximum within 48 hours with a suitable covering.			○
Storage & Shelf life	Self-adhesive tapes, self-adhesive sheets, self-adhesive tubes: 1 year Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C - 35 °C)			

1. For further information, please contact our customer service.

\*1 Further documents such as test certificates, approvals and the like can be requested using the registration number given.

\*2 ●: Official supervision by independent institutes and /or test authorities  
○: Own in-factory quality monitoring

All data and technical information are based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility, clarify with us in due time whether or not the data and information apply to the intended application area. Installation instructions are available in our Armaflex installation manual. Armacell takes every precaution to ensure the accuracy of the data provided in this document and all statements, technical information and recommendations contained within are believed to be correct. However, Armacell cannot guarantee that the data are 100 % accurate. Furthermore, minor deviations in colour, quality and dimensions are unavoidable and in most cases do not influence the performance of the product. Armacell expressly disclaims any and all liability in relation to any results obtained or arising from any use of the product or reliance on such information. No warranty of fitness for any particular purpose, warranty of merchantability or any other warranty, expressed or implied, is made concerning the goods described or the information provided herein. All the statements and technical information within this document should be read in conjunction with the customer's own specification. It is the responsibility of the recipient to inform all involved parties about the content of these documents. The described and recommended methods should be strictly followed. If there is a requirement to deviate from our recommendations, please contact us in advance to discuss possible suitable alternatives. Armacell will not be liable for any claim resulting from a failure to observe our specification or any other agreed solutions and from non-observance of the customer's specification.



Pipe max. Outside-Ø [mm]	6,0 mm insulation thickness			9,0 mm insulation thickness		
	Code	m/carton	€/m	Code	m/carton	€/m
6	ON-06x006H	496	xxx	ON-09x006H	352	xxx
8	ON-06x008H	432	xxx	ON-09x008H	300	xxx
10	ON-06x010H	364	xxx	ON-09x010H	266	xxx
12	ON-06x012H	316	xxx	ON-09x012H	234	xxx
15	ON-06x015H	266	xxx	ON-09x015H	192	xxx
18	ON-06x018H	220	xxx	ON-09x018H	166	xxx
22	ON-06x022H	180	xxx	ON-09x022H	136	xxx
25	ON-06x025H	150	xxx	ON-09x025H	116	xxx
28	ON-06x028H	130	xxx	ON-09x028H ●	98	xxx
35	ON-06x035H	100	xxx	ON-09x035H	84	xxx
42	ON-06x042H	90	xxx	ON-09x042H	80	xxx
48	-	-	-	ON-09x048H	68	xxx
54	-	-	-	ON-09x054H	50	xxx
60	-	-	-	ON-09x060H	60	xxx
67	-	-	-	ON-09x067H	44	xxx
76	-	-	-	ON-09x076H	50	xxx
80	-	-	-	ON-09x080H	40	xxx
89	-	-	-	ON-09x089H	44	xxx
102	-	-	-	ON-09x102H	34	xxx
108	-	-	-	ON-09x108H	30	xxx
114	-	-	-	ON-09x114H	32	xxx

Pipe max. Outside-Ø [mm]	13,0 mm insulation thickness			19,0 mm insulation thickness		
	Code	m/carton	€/m	Code	m/carton	€/m
6	ON-13X006H	210	xxx	-	-	-
8	ON-13X008H	190	xxx	-	-	-
10	ON-13X010H	172	xxx	-	-	-
12	ON-13X012H	162	xxx	-	-	-
15	ON-13X015H	136	xxx	-	-	-
18	ON-13X018H	118	xxx	ON-19X018H	72	xxx
22	ON-13X022H	98	xxx	ON-19X022H	64	xxx
25	ON-13X025H	88	xxx	ON-19X025H	56	xxx
28	ON-13X028H	78	xxx	ON-19X028H	48	xxx
35	ON-13X035H	68	xxx	ON-19X035H	42	xxx
42	ON-13X042H	58	xxx	ON-19X042H	40	xxx
48	ON-13X048H	50	xxx	ON-19X048H	34	xxx
54	ON-13X054H	48	xxx	ON-19X054H	32	xxx
60	ON-13X060H	42	xxx	ON-19X060H	30	xxx
67	ON-13X067H	30	xxx	ON-19X067H	20	xxx
76	ON-13X076H	38	xxx	ON-19X076H	26	xxx
80	ON-13X080H	30	xxx	ON-19X080H	18	xxx
89	ON-13X089H	34	xxx	ON-19X089H	20	xxx
102	ON-13X102H	26	xxx	ON-19X102H	14	xxx
108	ON-13X108H	22	xxx	ON-19X108H	14	xxx
114	ON-13X114H	24	xxx	ON-19X114H	16	xxx

## Oneflex tubes



Pipe max. Outside-Ø [mm]	25,0 mm insulation thickness			32,0 mm insulation thickness		
	Code	m/carton	€/m	Code	m/carton	€/m
18	ON-25X018H	50	xxx	-	-	-
22	ON-25X022H	42	xxx	-	-	-
25	ON-25X025H	40	xxx	-	-	-
28	ON-25X028H	40	xxx	-	-	-
35	ON-25X035H	24	xxx	ON-32X035H	22	xxx
42	ON-25X042H	28	xxx	ON-32X042H	16	xxx
48	ON-25X048H	24	xxx	ON-32X048H	14	xxx
54	ON-25X054H	20	xxx	ON-32X054H	14	xxx
60	ON-25X060H	20	xxx	ON-32X060H	12	xxx
67	ON-25X067H	14	xxx	ON-32X067H	10	xxx
76	ON-25X076H ●	18	xxx	ON-32X076H	10	xxx
80	ON-25X080H	12	xxx	ON-32X080H	8	xxx
89	ON-25X089H	16	xxx	ON-32X089H	8	xxx
102	ON-25X102H	12	xxx	ON-32X102H	8	xxx
108	ON-25X108H	12	xxx	ON-32X108H	8	xxx
114	ON-25X114H	12	xxx	ON-32X114H	8	xxx

<b>Length tolerance for tubes</b>	± 1,5 %	
<b>Thickness tolerance</b>	≤ 8 mm:	±1,0 mm
	9 - 18 mm:	±1,5 mm
	19 - 31 mm:	±2,5 mm

● Item not in stock. Delivery on request. [MTO]

## Oneflex sheets endless



For 1 meter wide sheets, available thicknesses (in mm): 06, 09, 13, 19, 25, 32

For 1.5 meter wide sheets, available thicknesses (in mm): 13,19, 25, 32

6,0 mm insulation thickness						9,0 mm insulation thickness					
Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton	€/m <sup>2</sup>	Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton	€/m <sup>2</sup>
ON-06-99/EH	6,0	30	1	30	xxx	ON-09-99/EH	9,0	20	1	20	xxx

  

13,0 mm insulation thickness						19,0 mm insulation thickness					
Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton	€/m <sup>2</sup>	Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton	€/m <sup>2</sup>
ON-13-99/EH	13,0	14	1	14	xxx	ON-19-99/EH	19,0	10	1	10	xxx
ON-13-99/ELH	13,0	14	1.5	21	xxx	ON-19-99/ELH	19,0	10	1.5	15	xxx

  

25,0 mm insulation thickness						32,0 mm insulation thickness					
Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton	€/m <sup>2</sup>	Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton	€/m <sup>2</sup>
ON-25-99/EH	25,0	8	1	8	xxx	ON-32-99/EH	32,0	6	1	6	xxx
ON-25-99/ELH	25,0	8	1.5	12	xxx	ON-32-99/ELH	32,0	6	1.5	9	xxx

<b>Length tolerance for sheets</b>	±1,5%	
<b>Thickness tolerance for sheets</b>	≤ 6 mm	±1,0mm
	7-19 mm	±1,5mm
	> 19 mm	±2,0mm

# Oneflex sheets endless self-adhesive



For 1 meter wide sheets, available thicknesses (in mm): **06, 09, 13, 19, 25, 32**

For 1.5 meter wide sheets, available thicknesses (in mm): **13, 19, 25, 32**

6,0 mm insulation thickness						9,0 mm insulation thickness 9,0 mm					
Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton	€/m <sup>2</sup>	Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton	€/m <sup>2</sup>
<b>ON-06-99/EA-H</b>	6,0	30	1	30	xxx	<b>ON-09-99/EA-H</b>	9,0	20	1	20	xxx

13,0 mm insulation thickness 13,0 mm						19,0 mm insulation thickness 19,0 mm					
Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton	€/m <sup>2</sup>	Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton	€/m <sup>2</sup>
<b>ON-13-99/EA-H</b>	13,0	14	1	14	xxx	<b>ON-19-99/EA-H</b>	19,0	10	1	10	xxx
<b>ON-13-99/ELA-H</b>	13,0	14	1.5	21	xxx	<b>ON-19-99/ELA-H</b>	19,0	10	1.5	15	xxx

25,0 mm insulation thickness 25,0 mm						32,0 mm insulation thickness 32,0 mm					
Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton	€/m <sup>2</sup>	Code	Insulation thickness [mm]	Roll length [m]	Width [m]	m <sup>2</sup> /carton	€/m <sup>2</sup>
<b>ON-25-99/EA-H</b>	25,0	8	1	8	xxx	<b>ON-32-99/EA-H</b>	32,0	6	1	6	xxx
<b>ON-25-99/ELA-H</b>	25,0	8	1.5	12	xxx	<b>ON-32-99/ELA-H</b>	32,0	6	1.5	9	xxx

<b>Length tolerance for sheets</b>	±1,5%	
<b>Thickness tolerance for sheets</b>	≤ 6 mm	±1,0mm
	7-19 mm	±1,5mm
	> 19 mm	±2,0mm

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