

ANTI CONDENSATION BUTYL TAPE



Product description

■ Use	<ul style="list-style-type: none"> • Anti-condensation, self-adhesive tape of synthetic butyl rubber and cork. Its low thermal conductivity allows an effective protection against condensation on cold pipes.
■ Fields of applications	<ul style="list-style-type: none"> • Protection against condensation on cold fluids ducting. • Thermal and acoustic insulation of piping. • Can be used in air-conditioning.

Product properties

■ Thickness			3 mm
■ Roll dimensions			Width 50 mm
■ Thermal conductivity			0,13 W/m.K
■ Slump resistance	<ul style="list-style-type: none"> • at 5°C • at 70°C 	NF EN 27390 NF EN 27390	0 mm 0 mm
■ Temperature	<ul style="list-style-type: none"> • of application • of service 		+ 5°C ≤ T ≤ + 40°C - 30°C ≤ T ≤ + 80°C
■ Density			0,9 g/cm ³

Test reports


■ Test reports	<ul style="list-style-type: none"> • N° GN/97-009 of the CSTB of October 22, 1997: measuring of the conductivity.
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Instruction for use

<p>■ Surface preparation</p>	<ul style="list-style-type: none"> The surface must be clean, dry and free of dust. It is up to the users to check the compatibility with the support in terms of adherence, chemical compatibility and staining. Do not stretch the tape when installing (reduce performance) and risk of cracking. 												
<p>■ Temperature of the fluid at exterior temperature</p>	<table border="0"> <tr> <td>Appendix A:</td> <td>Temperature of the fluid</td> <td>-12°C</td> </tr> <tr> <td>Appendix B:</td> <td>Temperature of the fluid</td> <td>-7°C</td> </tr> <tr> <td>Appendix C:</td> <td>Temperature of the fluid</td> <td>+4°C</td> </tr> <tr> <td>Appendix D:</td> <td>Temperature of the fluid</td> <td>+8°C</td> </tr> </table> <ul style="list-style-type: none"> Apply the indicated number of layers at the intersection of the pipe and which corresponds with the pipe diameter and the line as per relative humidity in the room. Make an angled cut at the end of the tape. Roll the tape around the pipe without overlapping the spirals. Bond edge to edge (do not leave a space between the spirals). Roll-press firmly on its surface. Install in the same way further layers of tape. 	Appendix A:	Temperature of the fluid	-12°C	Appendix B:	Temperature of the fluid	-7°C	Appendix C:	Temperature of the fluid	+4°C	Appendix D:	Temperature of the fluid	+8°C
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Appendix B:	Temperature of the fluid	-7°C											
Appendix C:	Temperature of the fluid	+4°C											
Appendix D:	Temperature of the fluid	+8°C											

Standard features of the product

<p>■ Packaging</p>	 <ul style="list-style-type: none"> Profile section 50x3 mm 4 rolls of 10 meters per box 																																																												
<p>■ Standard colours</p>	<ul style="list-style-type: none"> black 																																																												
<p>■ Consumption</p>	<ul style="list-style-type: none"> Pipe length (in meters) covered with one 10 meter roll. <table border="1"> <thead> <tr> <th>∅ External diameter of the conduits</th> <th>1 layer</th> <th>2 layers</th> <th>3 layers</th> <th>4 layers</th> </tr> </thead> <tbody> <tr><td>10 mm</td><td>12,25</td><td>5,00</td><td>2,80</td><td>1,80</td></tr> <tr><td>12 mm</td><td>10,60</td><td>4,40</td><td>2,50</td><td>1,65</td></tr> <tr><td>16 mm</td><td>8,40</td><td>3,60</td><td>2,10</td><td>1,40</td></tr> <tr><td>18 mm</td><td>7,60</td><td>3,30</td><td>1,95</td><td>1,30</td></tr> <tr><td>21 mm</td><td>6,60</td><td>2,95</td><td>1,75</td><td>1,20</td></tr> <tr><td>27 mm</td><td>5,30</td><td>2,40</td><td>1,45</td><td>1,00</td></tr> <tr><td>34 mm</td><td>4,30</td><td>2,00</td><td>1,20</td><td>0,85</td></tr> <tr><td>42 mm</td><td>3,50</td><td>1,65</td><td>1,00</td><td>0,75</td></tr> <tr><td>49 mm</td><td>3,05</td><td>1,45</td><td>0,90</td><td>0,65</td></tr> <tr><td>57 mm</td><td>2,65</td><td>1,25</td><td>1,25</td><td>0,80</td></tr> <tr><td>60 mm</td><td>2,50</td><td>1,20</td><td>0,75</td><td>0,55</td></tr> </tbody> </table>	∅ External diameter of the conduits	1 layer	2 layers	3 layers	4 layers	10 mm	12,25	5,00	2,80	1,80	12 mm	10,60	4,40	2,50	1,65	16 mm	8,40	3,60	2,10	1,40	18 mm	7,60	3,30	1,95	1,30	21 mm	6,60	2,95	1,75	1,20	27 mm	5,30	2,40	1,45	1,00	34 mm	4,30	2,00	1,20	0,85	42 mm	3,50	1,65	1,00	0,75	49 mm	3,05	1,45	0,90	0,65	57 mm	2,65	1,25	1,25	0,80	60 mm	2,50	1,20	0,75	0,55
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Safety

<p>■ Safety instructions</p>	<ul style="list-style-type: none"> Keep out of reach of children. Consult the Safety Data Sheet of the product.
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Shelf life - Storage

<p>■ Conditions</p>	<ul style="list-style-type: none"> 12 months from production date, in original unopened packaging and protected from humidity. Store in a well ventilated room and at a maximum temperature of 30°C.
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Recommendations

Our technical advices on the use of the product are expressed either orally, in writing or by means of tests. They are given to the best of our knowledge. They constitute simple indications which do not engage our responsibility. These values are given as an indication only and they cannot, in any case, be regarded as specifications. Insofar as it is not possible for us to control the use of the product and taking into account the diversity of materials and the possible uses, the users will have to carry out the tests necessary to determine if the product is suited for the specific use for which it is intended. It is up to the users to respect local legislation and to obtain the homologations and authorizations that are eventually required. Please check with our Customer Service that you have the current version of the Technical Data Sheets and of the Safety Data Sheets of the products you use.



Appendix A: Fluid of temperature - 12 °C

Exterior of temperature +5°C

RELATIVE HUMIDITY	● EXTERIOR DIAMETER ON PIPING						
	21 mm	27 mm	34 mm	42 mm	49 mm	57 mm	60 mm
10 %	0	0	0	0	0	0	0
20 %	0	0	0	0	0	0	0
30 %	1	1	1	1	1	1	1
40 %	2	3	3	3	3	3	3
50 %	4	4	4	4	4	4	4
60 %	5	5	5	5	6	6	6
70 %	8	8	8	8	9	9	9

Exterior of temperature +20°C

RELATIVE HUMIDITY	● EXTERIOR DIAMETER PIPING EXTERIEUR TUYAUTERIE						
	21 mm	27 mm	34 mm	42 mm	49 mm	57 mm	60 mm
10 %	1	1	1	1	1	1	1
20 %	2	2	2	2	2	2	2
30 %	3	3	3	3	3	3	3
40 %	4	5	5	5	5	5	5
50 %	6	7	7	7	7	8	8
60 %	9	9	9	9	10	10	11

Exterior of temperature +30°C

RELATIVE HUMIDITY	● EXTERIOR DIAMETER ON PIPING						
	21 mm	27 mm	34 mm	42 mm	49 mm	57 mm	60 mm
10 %	1	1	1	1	1	1	1
20 %	3	3	3	3	3	3	3
30 %	4	4	4	5	5	5	5
40 %	6	6	6	6	7	7	7
50 %	7	8	8	9	9	9	9
60 %	10	11	11	12	13	13	13

RESY AC



Appendix B: Fluid of temperature - 7 °C

Exterior of temperature +5°C

RELATIVE HUMIDITY	● EXTERIOR DIAMETER ON PIPING						
	21 mm	27 mm	34 mm	42 mm	49 mm	57 mm	60 mm
10 %	0	0	0	0	0	0	0
20 %	0	0	0	0	0	0	0
30 %	0	0	0	0	0	0	0
40 %	1	1	1	1	1	1	1
50 %	2	2	2	2	2	2	2
60 %	3	3	3	3	3	3	3
70 %	5	5	6	6	6	6	6
80 %	8	8	9	9	10	10	10

Exterior of temperature +20°C

RELATIVE HUMIDITY	● EXTERIOR DIAMETER ON PIPING						
	21 mm	27 mm	34 mm	42 mm	49 mm	57 mm	60 mm
10 %	0	0	0	0	0	0	0
20 %	1	1	1	1	1	1	1
30 %	2	2	2	2	2	2	2
40 %	4	4	4	4	4	4	4
50 %	5	6	6	6	6	6	6
60 %	7	8	8	9	9	9	9
70 %	11	11	12	13	13	13	13

Exterior of temperature +30°C

RELATIVE HUMIDITY	● EXTERIOR DIAMETER ON PIPING						
	21 mm	27 mm	34 mm	42 mm	49 mm	57 mm	60 mm
10 %	1	1	1	1	1	1	1
20 %	2	2	2	2	2	2	2
30 %	4	4	4	4	4	4	4
40 %	5	5	5	5	6	6	6
50 %	7	7	7	7	8	8	8
60 %	9	9	10	11	12	12	12

RESY AC



Appendix C : Fluid of temperature + 4 °C

Exterior of temperature +20°C

RELATIVE HUMIDITY	● EXTERIOR DIAMETER ON PIPING						
	21 mm	27 mm	34 mm	42 mm	49 mm	57 mm	60 mm
10 %	0	0	0	0	0	0	0
20 %	0	0	0	0	0	0	0
30 %	0	0	0	0	0	0	0
40 %	1	1	1	1	1	1	1
50 %	2	2	3	3	3	3	3
60 %	4	4	4	5	5	5	5
70 %	6	7	7	7	8	8	8
80 %	10	10	11	11	12	12	13

Exterior of temperature +30°C

RELATIVE HUMIDITY	● EXTERIOR DIAMETER ON PIPING						
	21 mm	27 mm	34 mm	42 mm	49 mm	57 mm	60 mm
10 %	0	0	0	0	0	0	0
20 %	1	1	1	1	1	1	1
30 %	2	2	2	2	2	2	2
40 %	3	3	3	3	3	3	3
50 %	5	5	5	5	5	5	5
60 %	6	7	7	7	8	8	8
70 %	9	9	10	10	11	11	11



Appendix D : Fluid of temperature + 8 °C

Exterior of temperature +20°C

RELATIVE HUMIDITY	● EXTERIOR DIAMETER ON PIPING						
	21 mm	27 mm	34 mm	42 mm	49 mm	57 mm	60 mm
10 %	0	0	0	0	0	0	0
20 %	0	0	0	0	0	0	0
30 %	0	0	0	0	0	0	0
40 %	0	0	0	0	0	0	0
50 %	1	1	1	1	1	1	1
60 %	2	3	3	3	3	3	3
70 %	4	5	5	5	5	5	5
80 %	7	8	8	9	9	10	10

Exterior of temperature +30°C

RELATIVE HUMIDITY	● EXTERIOR DIAMETER ON PIPING						
	21 mm	27 mm	34 mm	42 mm	49 mm	57 mm	60 mm
10 %	0	0	0	0	0	0	0
20 %	0	0	0	0	0	0	0
30 %	1	1	1	1	1	1	1
40 %	2	2	2	2	2	2	2
50 %	3	4	4	4	4	4	4
60 %	5	5	6	6	6	6	6
70 %	8	8	8	9	9	9	9

