

Most traditional insulations work with the principle that the air trapped inside them is a good insulation. Insulations such as fibre, plastics or vegetal fibres reduce convection and, thus, heat transfer. Reduce heat transfer through conduction but have a very bad behaviour to heat transfer through radiation.



The range of **reflective thermal-acoustic insulations** reduce heat transfer through conduction, convection and radiation with different rates. As a result, each of them has a different thermal efficiency and a pertinent 'r' value.

The main function of reflective insulations is to reduce the heat transfer radiated between open spaces of the building, which entails the main source of heat loss in winter and heat gain in summer.

Our **experience is over 15 years**; just a good reason to trust us.

All our products are **high quality**. Items supplied by ATYT comply with technical requirements of **existing regulations: M1, CE and EOTA 10/0116**.

The range of products we offer is really wide, to respond different applications that your company may require. **Highlighted products** of this family are the following:

- Air bubble. ATyT S, ATyT Concrete, ATyT Concrete M1, ATyT DB, ATyT DB M1, ATyT DBF and ATyT S-YC.
- Multifoil range. ATyT 15, ATyT 19 PRO and ATyT multitermic.

Check our website for more information: www.atyt.es/en/



Do not hesitate to contact our **sales advisors** to introduce you other products we have available that could solve needs of your company. We always provide the best **quality - price products, quickly service**.

Our clients are present in **all industrial sectors** such as wind power, ventilation, hot and cold air, construction, textile, furniture manufacturers, shoe industry, chemical industry, railways, shipyards, sport, stands mounting, automobile factories, auxiliary automotive industry, decoration, etc.

ATYT - Adhesivos Técnicos y Troquelados www.atyt.es




C/ Escorxador, nave 7. Sant Pere de Riudebitlles (08776). Barcelona. Spain.

Use our telephone number +34 93 899 50 34 or our mail: atyt@atyt.es

ATyT high specialized sales advisors team could help you. Even they could move to your facilities to analyze in situ, together with your technicians, your needs to find the best solution.

AIR BUBBLE. ATyT S

COMPOSITION

-  Aluminium Foil
-  Air Bubble Film
-  Aluminium Foil



TECHNICAL PROPERTIES

CE

10/0116



PROPERTIES	VALUES
Presentation:	Rolls (12 Rolls x Pallet)
Width:	1,2 m (+/-5%)
Length:	50 m (+/-5%)
Surface:	60 m ² (+/-5%)
Weight m ² :	250 gr / m ²
Thickness:	4 mm (+/-5%)
Application temperature:	From -20 °C to + 80 °C
Fire resistance:	Fire classification: M1- B S1 d0
Vapour barrier:	> 10 MN s/g
Emissivity:	0,03
Reflectivity:	97%
Thermal conductivity:	$\lambda = 0,025$ W/mK
Acoustic sound reduction:	R _w (C;Ctr) = 7 dBA
Tensile strength:	76 N / 5 cm
Elongation:	3,5%
Nail tear strength:	28 N

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AIR BUBBLE. ATyT CONCRETE

COMPOSITION

- ✚ ATyT S (Aluminium Foil + Air Bubble Film + Aluminium Foil) EOTA 10/0116
- ✚ Air Bubble Film



TECHNICAL PROPERTIES

CE
10/0116



PROPERTIES	VALUES
Presentation:	Rolls (12 Rolls x Pallet)
Width:	1,2 m (+/-5%)
Length:	25 m (+/-5%)
Surface:	30 m ² (+/-5%)
Weight m ² :	415 gr / m ²
Thickness:	8 mm (+/-5%)
Application temperature:	From -20 °C to + 80 °C
Fire resistance:	Fire classification: No M1
Vapour barrier:	> 10 MN s/g
Emissivity:	0,12
Reflectivity:	88%
Thermal conductivity:	Reflective insulation ATyT S $\lambda = 0,025$ W/mK Air bubble film $\lambda = 0,035$ W/mK
Compression resistance:	16 Kpa (1.600 kg/m ²)

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AIR BUBBLE. ATyT CONCRETE M1

COMPOSITION

- + ATyT S (Aluminium Foil + Air Bubble Film + Aluminium Foil) EOTA 10/0116
- + Air Bubble Film



TECHNICAL PROPERTIES

CE
10/0116



PROPERTIES	VALUES
Presentation:	Rolls (12 Rolls x Pallet)
Width:	1,2 m (+/-5%)
Length:	25 m (+/-5%)
Surface:	30 m ² (+/-5%)
Weight m ² :	415 gr / m ²
Thickness:	8 mm (+/-5%)
Application temperature:	From -20 °C to + 80 °C
Fire resistance:	Fire classification: M1
Vapour barrier:	> 10 MN s/g
Emissivity:	0,12
Reflectivity:	88%
Thermal conductivity:	Reflective insulation ATyT S $\lambda = 0,025$ W/mK Air bubble film $\lambda = 0,035$ W/mK
Compression resistance:	16 Kpa (1.600 kg/m ²)

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AIR BUBBLE. ATyT DB

COMPOSITION

-  Aluminium Foil
-  2 Air Bubble Film
-  Aluminium Foil






TECHNICAL PROPERTIES

PROPERTIES	VALUES
Presentation:	Rolls (12 Rolls x Pallet)
Width:	1,2 m (+/-5%)
Length:	25 m (+/-5%)
Surface:	30 m ² (+/-5%)
Weight m ² :	300 gr / m ²
Thickness:	7 mm (+/-5%)
Application temperature:	From -20 °C to + 80 °C
Fire resistance:	Fire classification: No M1
Vapour barrier:	> 10 MN s/g
Emissivity:	0,03
Reflectivity:	97%
Thermal conductivity:	$\lambda = 0,025$ W/mK
Acoustic sound reduction:	R _w (C;Ctr) = 7 dBA
Tensile strength:	120 N / 5 cm
Elongation:	3,5%
Nail tear strength:	50 N

AIR BUBBLE. ATyT DB M1

COMPOSITION

-  Aluminium Foil
-  2 Air Bubble Film
-  Aluminium Foil








TECHNICAL PROPERTIES

PROPERTIES	VALUES
Presentation:	Rolls (12 Rolls x Pallet)
Width:	1,2 m (+/-5%)
Length:	25 m (+/-5%)
Surface:	30 m ² (+/-5%)
Weight m ² :	300 gr / m ²
Thickness:	7 mm (+/-5%)
Application temperature:	From -20 °C to + 80 °C
Fire resistance:	Fire classification: M1
Vapour barrier:	> 10 MN s/g
Emissivity:	0,03
Reflectivity:	97%
Thermal conductivity:	$\lambda = 0,025$ W/mK
Acoustic sound reduction:	Rw (C;Ctr) = 7 dBA
Tensile strength:	120 N / 5 cm
Elongation:	3,5%
Nail tear strength:	50 N

AIR BUBBLE. ATyT DBF

COMPOSITION

-  Aluminium Foil
-  Air Bubble Film
-  EPE Foam 4mm
-  Air Bubble Film
-  Aluminium Foil



TECHNICAL PROPERTIES



10/0116



PROPERTIES	VALUES
Presentation:	Rolls (12 Rolls x Pallet)
Width:	1,2 m (+/-5%)
Length:	25 m (+/-5%)
Surface:	30 m ² (+/-5%)
Weight m ² :	360 gr / m ²
Thickness:	9 mm (+/-5%)
Application temperature:	From -20 °C to + 80 °C
Fire resistance:	Fire classification: M1- B S1 d0
Vapour barrier:	> 10 MN s/g
Emissivity:	0,03
Reflectivity:	97%
Thermal conductivity:	$\lambda = 0,025$ W/mK
Acoustic sound reduction:	Rw (C;Ctr) = 8 dBA
Tensile strength:	136 N / 5 cm
Elongation:	45%
Nail tear strength:	54 N

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AIR BUBBLE. ATyT S-YC

COMPOSITION

-  ATyT S (Aluminium Foil + Air Bubble Film + Aluminium Foil) EOTA 10/0116
-  EPE Foam 5 mm



TECHNICAL PROPERTIES

CE
10/0116



PROPERTIES	VALUES
Presentation:	Rolls (12 Rolls x Pallet)
Width:	1,2 m (+/-5%)
Length:	25 m (+/-5%)
Surface:	30 m ² (+/-5%)
Weight m ² :	285 gr / m ²
Thickness:	8 mm (+/-5%)
Application temperature:	From -20 °C to + 80 °C
Fire resistance:	Fire classification: No M1
Vapour barrier:	> 10 MN s/g
Emissivity:	0,12
Reflectivity:	88%
Thermal conductivity:	Reflective insulation ATyT S $\lambda = 0,025$ W/mK EPE Foam $\lambda = 0,037$ W/mK
Acoustic impact sound reduction:	22 dB
Acoustic impact sound "in situ":	69,4 dB
Compression resistance:	10,2 Kpa (1.020 Kg/m ²)

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MULTIFOIL RANGE. ATyT 15

COMPOSITION (15 layers)

- ✚ 2 External reflective films with reinforcing 80 gr/m² mesh
- ✚ 2 polyester 60 gr/m² wadding layers
- ✚ 6 internal reflective films
- ✚ 5 foam 1mm layers



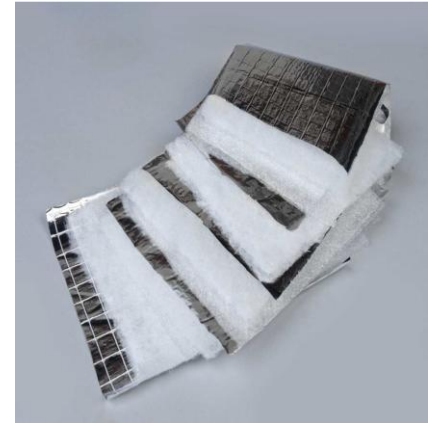
TECHNICAL PROPERTIES

PROPERTIES	VALUES
Presentation:	Rolls
Width:	1,5 m (+/- 5 %)
Length:	10 m (+/- 5 %)
Surface:	15 m ² (+/- 5%)
Weight m ² :	+/- 590 gr / m ²
Reflectivity:	88 %
Resistance to water absorption:	> 3.000 mm
Vapour barrier:	1.500 g / m ² / 24 hours
Application temperature:	From - 20 °C to + 80 °C
Thermal equivalence:	Installation of ATyT 15 inside an air space 2cm + 2cm acts efficiently as a thermal barrier against heat and cold, to the 3 types of heat transfer: conduction, convection and, especially, for Radiation. It obtains an energy saving equivalent to an absorption insulator of 200 mm thickness.

MULTIFOIL RANGE. ATyT 19 PRO

COMPOSITION (19 layers)

- ✚ 2 external reflective films with reinforcing 130 gr/m² mesh
- ✚ 4 polyester 80 gr/m² wadding layers
- ✚ 8 internal reflective films
- ✚ 5 foam layers 1mm



TECHNICAL PROPERTIES

PROPERTIES	VALUES
Presentation:	Rolls
Width:	1,5 m (+/- 5 %)
Length:	10 m (+/- 5 %)
Surface:	15 m ² (+/- 5%)
Weight m ² :	+/- 660 gr / m ²
Thickness:	+ / - 25 mm
Reflectivity:	88 %
Resistance to water absorption:	> 3.000 mm
Vapour barrier:	1.500 g / m ² / 24 hours
Application temperature:	From - 20 °C to + 80 °C
Thermal equivalence:	Installation of ATyT 19 PRO inside an air space 2cm + 2cm acts efficiently as a thermal barrier against heat and cold, to the 3 types of heat transfer: conduction, convection and, especially, for Radiation. It obtains an energy saving equivalent to an absorption insulator of 260 mm thickness.

MULTIFOIL RANGE. ATyT MULTITERMIC

COMPOSITION (7 layers)

- + Aluminium foil.
- + Air bubble film.
- + Polyester wadding.
- + Metallised polyester.
- + Polyester wadding.
- + Air bubble film.
- + Aluminium foil.



TECHNICAL PROPERTIES



10/0116



PROPERTIES	VALUES
Presentation:	Rolls (18 rolls x pallet)
Width:	1,5 m (+/- 5 %)
Length:	20 m (+/- 5 %)
Surface:	30 m ² (+/- 5%)
Weight m ² :	420 gr / m ²
Thickness:	18 mm (+/- 5%)
Emissivity:	0,03
Reflectivity:	97 %
Thermal conductivity:	$\lambda = 0,025$ W / mK
Thermal equivalence:	150 mm absorption insulation
Acoustic Insulation:	R',w 55 dB
Fire classification	F Class
Vapour barrier:	>10 MN s / g
Tensile strength:	132 N / 5 cm
Elongation:	10%
Nail tear strength:	76 N
Application temperature:	From - 20 °C to + 80 °C

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