THREE LAYERS FLAT ABSORBER AT

AT consisting in three layers of polyether polyurethane foam with 90% open cells impregnated with a carbon solution, a binder and a fire retardant.
AT absorbers are used to cover all metallic surfaces, walls in shielded rooms, masts and antenna bases. They also contribute to the reduction of coupling between antennas. Their high absorption characteristics are obtained with small thicknesses.

REFLECTIVITY PERFORMANCES

MINIMUM REFLECTIVITY OF AT in dB (typical values)
For incidence angles close to the normal

Type	100 MHz	150 MHz	200 MHz	300 MHz	500 MHz	1 GHz	2 GHz	4 GHz	8 GHz	12 GHz	18 GHz	26 GHz	40 GHz
AT18								- 17	- 20	- 20	- 20	- 20	- 20
AT30							- 14	- 18	- 20	- 20	- 20	- 20	- 20
AT60				- 3	- 5	- 8	- 12	- 18	- 18	- 22	- 22	- 22	- 22
AT350	- 8	- 12	- 15	- 16	- 17	- 20	- 22	- 23	- 23	- 23	- 23	- 23	- 23

MAIN CHARACTERISTICS

- **Matrix:** polyether polyurethane foam with 90% open cells.
- **Impregnating agents:** carbon, binder, fire retardant.
- **Colours:** black, blue, white, green, red (other colours upon request).
- **Paint:** plastic coated paint for clean room.
- **Maximum service temperatures:** [- 65 ; +160]°C
- **Power handling:** 0.16 W/cm² max CW.

COMPLIANCE TO STANDARDS & DIRECTIVES

Fire resistance: NRL 8093 (Test 1, 2, 3), ISO 11925-2, DIN 4102 (class B2).

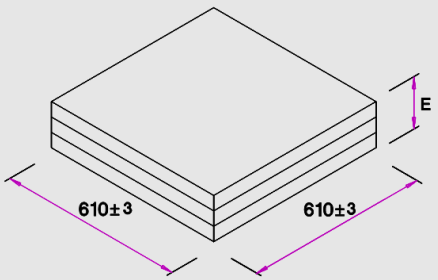
Our raw materials are compliant to **RoHS / REACH** and free of substances in the current list of Substances of Very High Concern (SVHC) published by the European Chemicals Agency (ECHA)

Both aqueous and plastic paint coating were developed to enable work in ISO 4 (ISO 14644-1 2015) clean room conditions.

DIMENSIONS

Type	E Total thickness	Weight kg
AT 60	60 mm	1.16
AT 350	350 mm	7.5

Standard size:
610 x 610 mm (Length: 1220 mm upon request)



METHOD OF USE

Absorbers are flexible and can be cut easily. They are installed thanks to Neoprene glue or Velcro fastening system or auto adhesive tape. Neoprene glue is applied with a brush or a pneumatic pistol to both faces to be glued.

These data are the result of tests performed in our laboratory. They are considered to be the best of our knowledge. The use of the material and the specification of the performances are made under the whole responsibility of users who should ensure themselves that the material is suitable for their purposes.

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