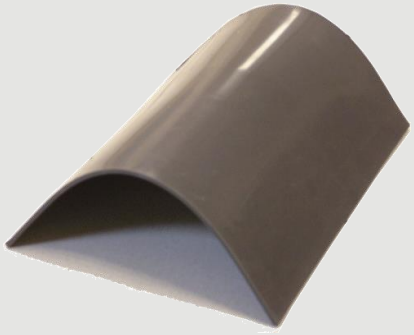
SILICONE ABSORBER
ASI



ASI is a thin and flexible absorber sheet made of elastomer silicone resin and combined with magnetic load.

REFLECTIVITY PERFORMANCES

ASI are narrowband resonant absorbers. They provide a reflectivity of from – 25 to -30dB at resonance frequencies and – 20 dB on a bandwidth as wide as 10 % of the central frequency. They can be tuned on any frequency between 1.5 and 24 GHz, by optimization of the thickness and load concentration.

MAIN CHARACTERISTICS

- **Matrix:** Silicone resin
- **Load:** Magnetic powder.
- **Colour:** grey
- **Installation:** to be glued on metallic support
- **Power handling:** 0.9 W/cm² CW
- **Max. service temp.:** -60°C to 140°C
- **Dimensions:** Tiles 300 x 300 mm (+ 0/-5)
  The thickness depends on the frequency of use.
- **Chemical resistance**: Good resistance to salty environment and ozone.

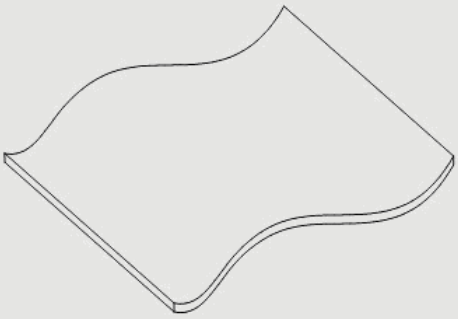
COMPLIANCE TO STANDARDS & DIRECTIVES

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).

CHARACTERISTICS OF STANDARD PRODUCT

The table below is given for standard product. We are able to customize our products according to your needs.

REF	RESONANCE FREQUENCY	TYPICAL THICKNESS*
ASI 1.5	1.5 GHz	4.3 mm
ASI 2	2 GHz	3.7 mm
ASI 2.5	2.5 GHz	3.2 mm
ASI 3	3 GHz	3.2 mm
ASI 4	4 GHz	2.5mm
ASI 5	5 GHz	2 mm
ASI 6	6 GHz	2 mm
ASI 8	8 GHz	2 mm
ASI 10	10 GHz	1.8 mm
ASI 15	15 GHz	1.4 mm
ASI 18	18 GHz	1.2 mm
ASI 24	24 GHz	1.1 mm



We also propose APU absorbers with the same physical characteristics as silicone based absorbers; their polyurethane base allows them to be painted.

*Non-contractual indication

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