

ISOTEK - FOAM

MATERIAL

Light grey BASF Basotect® melamine foam resin. High thermal resistance to +150°C. Non drip in case of fire, non toxic fumes, non fiber-forming. Isotek-Foam has an excellent acoustic absorption, particularly at medium-low frequencies (500 ÷ 1000 Hz). Isotek-Foam may be assembled together with sound-insulation barriers such as lead, EPDM, etc. Upon request it can be painted in all RAL range colors and with blunted edges of 45° on the four sides.

DIMENSIONS

Width: 1200/600 mm

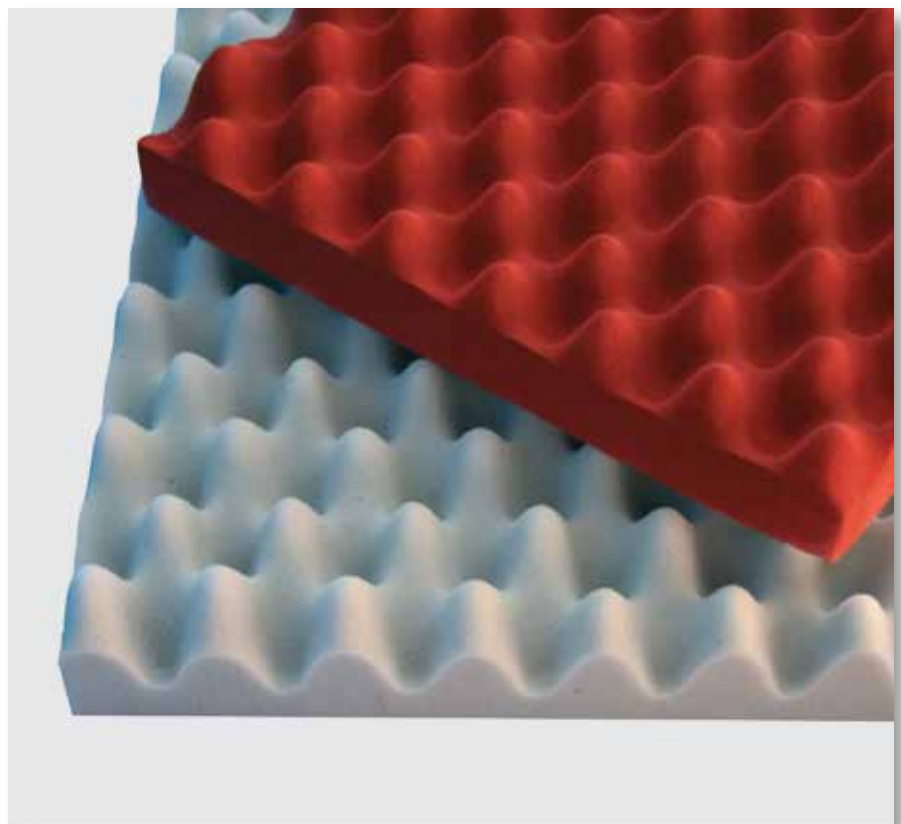
Length: 600/1200 mm

Thickness: 20 - 30 - 40 - 50 mm, etc.

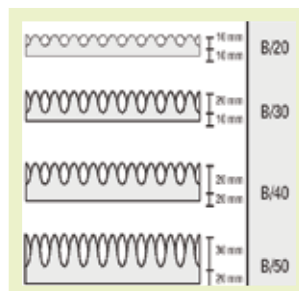
Any other size may be supplied on request.

Size tolerance to M4 DIN 7715 standard, Part 2.

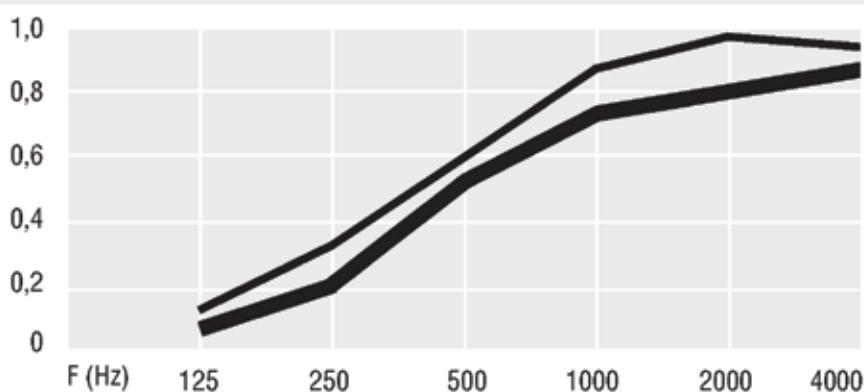
BASOTECT® BASF PROFILED MELAMINE RESIN FOAM ACOUSTICAL PANEL



STANDARD FORMATS



Grado di assorbimento acustico (α_S)



Acoustic absorption factors determined to DIN 52212 standard in a large reverberation chamber

PHYSICAL PROPERTIES

- **Volume mass:** kg/m³ EN ISO 845 8 - 11
- **Compression resistance at 10% deflection:** kPa DIN 53421 5 - 20
- **Indentation:** N BASF method > 45
- **Maximum tensile stress:** kPa DIN 53571 > 120
- **Elongation at break:** % DIN 53571 > 10
- **40% deformation resistance and compression:** kPa DIN 53577 7 - 20
- **Thermal conductivity at 10°C :** W/mK DIN 52612 < 0.035
- **Compression set**
 - 50% - 23°C - 72^h % DIN 53572 10 - 30
 - 50% - 70°C - 22^h 10 - 20
- **Steam diffusion resistance factor (μ):** - DIN 52615 -2
- **Acoustic absorption S=50 mm/2000 Hz:** % DIN 52215 > 90
- **Flux specific resistance:** kNs/m⁴ DIN 52213 10 - 20
- **Utilisation temperature:** °C - max 150°
- **Cyclic continuous sollicitation tolerability:** method OK
- **Reaction to fire:** Euroclass C-s1,d0 to UNI EN 13501-1. Class 1 to CSE RF 2/75/A - CSE RF 3/77.

REACTION TO FIRE

Euroclass C-s1,d0 to UNI EN 13501-1.

Class 1 to CSE RF 2/75/A - CSE RF 3/77.

FIELDS OF APPLICATION

Isotek-Foam is a specific specially profiled soundabsorbing product which has excellent absorption properties at medium-low frequencies. Its fire resistant characteristics allow it to be used where special safety features are required, such as factories, theatres, schools, cafeterias, cinemas, discotheques, firing ranges, hotels, auditoriums, multipurpose halls.

INSTALLATION

Isotek-Foam's flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease, oil or dust, using NDA VILL glue.