

TECHNICAL DATA SHEET

FILVA-T



CATEGORY	Broadband soundabsorption with a translucent aluminium membranous absorber
APPLICATIONS	<ul style="list-style-type: none">• Offices, musea, auditoria, schools, hotels, restaurants, bars, public buildings, nursing homes, hospitals, concert halls, ..• Swimming pools, outdoors applications, industry (sound walls, silencers, ...)
MOUNTING PLATE	2 aluminium meshes with transparent membrane pressed in between
DIMENSIONS	<ul style="list-style-type: none">• Standard: 500 * 1.000 mm• Maximum size: 1.000 * 2.000 mm
DIMENSIONS MESH	<ul style="list-style-type: none">• Front side: 5 * 10 mm• Backside: 4 * 8 mm
THICKNESS AND WIDTH MESH AND FILM	<ul style="list-style-type: none">• Front side: 1 * 1 mm• Backside: 0,6 * 0,6 mm• Thickness film: 12 µm
TOLERANCE	<ul style="list-style-type: none">• Length: + 5,00 mm / - 0,00 mm• Width: + 4,00 mm / - 0,00 mm
THICKNESS	1,5 mm
WEIGHT	<ul style="list-style-type: none">• 1,40 kg / m²• Weight film: 22 g / m²
REACTION TO FIRE	<ul style="list-style-type: none">• Aluminium mesh: A1 incombustible (according to EN 13501-1)• Film: B-s1-d0 fire retardant (according to EN 13501-1:2010)
TENSILE STRENGTH	<ul style="list-style-type: none">• Long direction of mesh: 270 kg / cm² (elongation 9 %)• Short direction of mesh: 70 kg / cm² (elongation 64 %)



MELTING POINT	175 °C
LIGHT TRANSMITTANCE	Ca. 40%
WEATHER PROOF TEST	JIS A 1415: 2.000 hrs
WATER PROOF TEST	500 hrs in running water
BOILING TEST	JAS 1: boiling 4 hrs – drying 20 hrs at 100 °C
COLD & HEAT TEST	JAS 1: 2 hrs at 80 °C – drying 2 hrs at -20 °C
ABSORPTION COEFFICIENTS	Statistical absorption coefficients according to ISO 354 standard

