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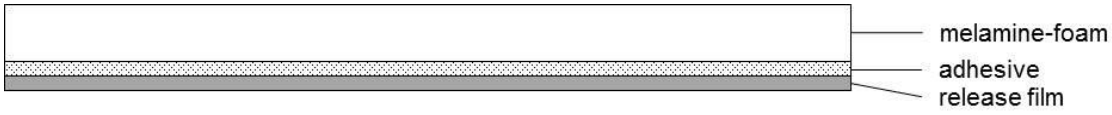
Steinbach AG
Industrial Components

Technical Data Sheet S 3915/…-Tect



S 3915/…-Tect is a light grey, open-cell melamine resin foam (Basotect®).
Self-adhesive equipment with a high-quality adhesive system based on acrylate.

Technical Data					
Type (S 3915/…-Tect)		**5**	**10**	**20**	**30**
Thickness (approximate)	[mm]	5.0	10.0	20.0	30.0
Density DIN EN ISO 845 (approximate)	[kg/m³]	9.0 ± 1.5			
Thermal stability (after DIN EN ISO 3386-1)	[°C]	200 (1,000 h) 150 (20,000 h) (foam)			
Cold resilience	[°C]	-40			
Heat conductivity DIN EN 12667 (at 10 °C)	[W/mK]	< 0.035			
Sound absorption coefficient DIN ISO 10534 (d = 50 mm, f = 2000 Hz)	[%]	≥ 90			
Compression set DIN EN ISO 1856 (22 h, 70 °C, 50%)	[%]	5 - 30			
Tensile strength DIN ISO 1798	[kPa]	> 120			
Elongation at break DIN ISO 1798	[%]	> 18			
Compression resistance DIN EN ISO 3386-1	[kPa]	> 9			
Combustibility FMVSS 302		SE			
Burning behaviour UL 94		HF1			
Burning behaviour DIN 4102-1		B1			
Burning behaviour EN 45545-2 (09/2020)		flame spread CFE R1, HL2 rate of heat emission MARHE R1, HL2 smoke density R1, HL2 smoke toxicity CIT_G R1, HL2			
Chemical resistance		alcohols, hydrocarbons, acids (ethanoic-, lactic-, phosphorus-, citric acid), esters, ketones, alkaline solutions, sodium hypochlorite solution, sodium chloride solution, water, hydrogen peroxide and glycol ether			

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Technical Data					
Type (S 3915/…-Tect)		**35**	**40**	**50**	**80**
Thickness (approximate)	[mm]	35.0	40.0	50.0	80.0
Density DIN EN ISO 845 (approximate)	[kg/m³]	9.0 ± 1.5			
Thermal stability (after DIN EN ISO 3386-1)	[°C]	200 (1,000 h) 150 (20,000 h) (foam)			
Cold resilience	[°C]	-40			
Heat conductivity DIN EN 12667 (at 10 °C)	[W/mK]	< 0.035			
Sound absorption coefficient DIN ISO 10534 (d = 50 mm, f = 2000 Hz)	[%]	≥ 90			
Compression set DIN EN ISO 1856 (22 h, 70 °C, 50%)	[%]	5 - 30			
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Combustibility FMVSS 302		SE			
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Main function: Airborne sound absorption (absorption) and heat insulation

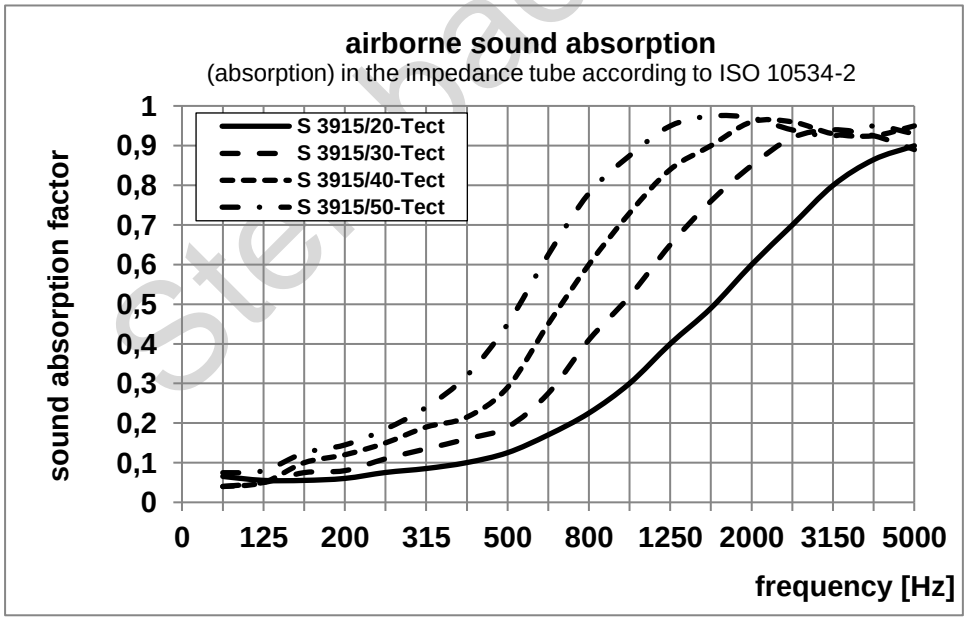
Applications: Mechanical engineering, plant construction, wagon construction, ventilation- and heating construction etc.
Not suitable for outdoor use / outdoor exposure!

Processing: The surface must be carefully cleaned from dust, grease, oil and water. Full area adhesion has to be insured. The adhesion strength is directly dependent from the processing pressure. The material has to be pressed in firmly, e.g. using a feed roll.
Processing temperature: 18 - 25 °C

Storage conditions: Dry, protected against UV and weather at temperatures between 18 - 25 °C
Max storage time: 6 months

Delivery forms: Standard boards 1,250 x 2,500 mm, tolerance ± 2% conditionally.
Other sizes and cut-to-size pieces upon request.

Labelling: The product is not subject to labelling according to EC directives / Ordinance on Hazardous Substances.



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The technical data (average values) as well as material information are based on our present knowledge and experiences. They free the user because of the fullness of possible influences by the application of our products, however, not from own tests and attempts in the approach of the real application. Because of the peculiarities of every individual case we can take over no liability for our indications. On request we are available gladly with information.