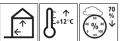


Technical Data Sheet

StoSilent Board 310

Acoustic panel made of expanded glass granulate for suspended ceiling and wall structures







Characteristics	
Area of application	 Interior For suspended ceiling and wall structures For the StoSilent Distance F acoustic system For structures with increased requirements on mechanical resistance as well as for bent constructions (radius > 5 m) Fixing with screws, bonded board joints
Properties	 Structure without expansion joint up to 200 m² possible and maximum 20 m side length Reduction in the reverberation time Reduction of noise level Improved ability to concentrate Improvement in speech intelligibility Low weight Low moisture-induced and thermal expansion
Format	 Board edge: sharp-edged/coated Length x width x thickness 1200 x 800 x 15 mm
Appearance	Textured surface with StoSilent Decor M Finish
Information/Notes	 Use the product in brine or saltwater swimming pools only on request The product is not suitable for splash zones The product is not suitable for areas subject to mechanical stress The product is not suitable for radiuses < 5 m

Technical Data				
	Criteria	Standard / test specification	Value / Unit	Notes
	Diffusion-equivalent air layer thickness	EN ISO 7783	0.10 m	with coating
	Reaction to fire (class)	EN 13501-1	B2-s1, d0	with coating
	Rated value of thermal conductivity λ	TIAP-655 based on EN 12667	0.08 W/(m*K)	with coating
	Mass per unit area		5.8 kg/m²	
	Bulk density		390 kg/m³	
	Sound absorption coefficient α W	EN ISO 11654	0.45	With coating; can vary depending on the suspension height and damping

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.



Technical Data Sheet

StoSilent Board 310

Substrate			
Requirements	The substrate must be firm, dry, clean, and load-bearing		
Application			
Application temperature	Lowest substrate and application temperature: +12 °C at max. 70 % relative air humidity; installation after adjusting the equilibrium humidity in the room. Rapid shock-type heating or cooling during installation and drying can induce crack		
	formation.		
Consumption	Type Approx. consumption		
	1.04 no's panel/m²		
	The stated consumption values are only to be used as a guide. If required, precise consumption values plus cuttings should be determined on the project.		
Coating build up	Metal sub-construction in accordance with EN 13964 with vernier hangers; fine grid bonded with StoSilent Profile Tape		
	StoSilent Board 310		
	System adhesive: Product: StoSilent Fix		
	System filler: Product: StoSilent Plan Consumption: approx. 0.25 kg/m²		
	Intermediate coat: StoSilent Decor M (White and Tinted) • Spray coating approx. 0.7 kg/m² • Spray coating approx. 0.9 kg/m²		
	Finish: StoSilent Decor M (White and Tinted) • Spray coating approx. 1.1 kg/m² • Spray coating approx. 0.5 kg/m² (if required, according to appearance)		
Application	In glancing light the ceilings are not free from visible unevenness. Observe the application guideline for the acoustic system		
Cleaning the tools	Remove dust after use.		
Notes, recommendations, special information,	Please consult the local sales office for further information and any site assistance required.		
miscellaneous	Please observe the general Sto application guidelines for Sto acoustic panel systems. They are available from Sto SEA Pte Ltd.		
	Installation/coating must only be carried out after prior instruction.		
	Recommendation: installation on walls outside areas subject to a risk of impact, above a height of 2 m.		
	Structural expansion joints must be incorporated		



Technical Data Sheet

StoSilent Board 310

Colour shade	Visible side: White (approx. RAL 9010), Rear side: Grey (approx. RAL 7039)			
Packaging	Article number	Name	Packing	
	03255-007	StoSilent Board 310	50 pcs/pallet	
Storage				
Storage conditions	Store in cool dry conditions; avoid direct sunlight. Product is sensitive to shock; do not subject it to loads or stress.			
Identification				
Product group	Acoustic panel			
Safety	Please refer to Safety Data Sheet.			
Special Notes				

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use.

Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on www.sto-sea.com.

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^{*}Product images may differ from the actual product.