

Basic data

product name	SYSTEM STANDARD
product description	A three-layer system that does not require a frame, offering acoustic insulation of 44dB. Most effective at high frequencies. It only thickens the wall by 55 mm.
producer	Cicha Ściana sp. z o.o. ul. Poprzeczna 15A, 05-083 Wierzbina EU VAT Id: 1182282512

Product characteristics

thickness	55mm
number of layers	3
effectiveness	Rw(C ; C _{tr})=44 (-3 ; -8)dB /indicators according to PN-EN ISO 717-1/ system tested at the Vibroacoustic Test Laboratory of CTO S.A. commissioned by Cicha Ściana sp. z o. o.
weight	23kg/m ²

Active system components	thickness	density
closed-cell solid rubber	2mm	2000kg/m ³
Semi-open-cell rebound polyurethane foam	40mm	160kg/m ³
acoustic plasterboard	12.5mm	1020kg/m ³

Materials used	Assembly method
solid rubber rebound polyurethane foam acoustic plasterboard contact adhesive elastic adhesive EPDM tape fiberglass tape spackling compound finishing paint	<p>Solid rubber affixed with hybrid elastic adhesive allows for maneuvering the pre-attached panel, enabling precise alignment both between panels and with adjacent walls and ceilings.</p> <p>Polyurethane foam installed with contact adhesive, sprayed on both sides of the glued surfaces. The spaces between the boards are filled with technical sealant. Board joints sealed with EPDM tape to close any acoustic bridges.</p> <p>Acoustic plasterboard mounted with contact adhesive. The joints of the boards are filled with Siniat Nida Multitask, creating a solid and flexible joint, and reinforced with non-flammable glass fiber tape. Sliding joints of panels and walls in the "controlled crack" technique, preventing possible cracking of the structure, finished with acrylic.</p> <p>Initial and final sanding of the dried putty using specialized tools with dust extraction. This minimizes dusting of the processed plaster, preventing contamination of other surfaces or equipment elements in the room.</p>