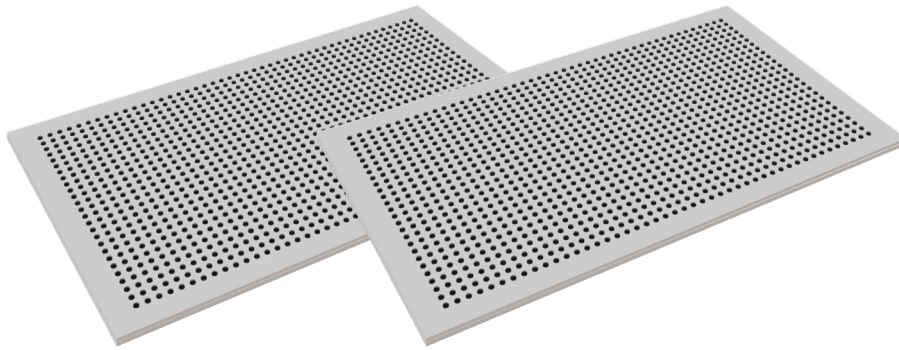


Knauf Echostop

Product Data Sheet (10/2025)



Knauf EchoStop is an acoustic plasterboard manufactured from a specially formulated core encased in recycled paper liners. The panels are precision-punched and laminated with a non-woven acoustic mat on the back. Designed for both functionality and aesthetic appeal, EchoStop is ideal for enhancing soundscapes in various settings.

PHYSICAL PROPERTIES				
PROFILE	R1	R2	R8	S8
PROPERTIES				
Hole Type	Round	Round	Round	Square
Hole Diameter	15 mm	12 mm	15 mm	12 x 12 mm
Perforation Rate	16.10%	13.90%	11.00%	13.00%
NRC	Up to 0.80	0.75 to 0.80	0.65 to 0.70	Up to 0.85
Thickness	12 mm			
Length x Width	1200 x 2400 mm			
Nominal Weight	10 (+/- 0.5) kg/m ²			
Edge	Tapered			
Color	Light Yellow			



KEY FEATURES

- **Excellent Noise Absorption:** Achieves a Noise Reduction Coefficient (NRC) ranging from 0.65 to 0.85.
- **Aesthetic Versatility:** Available in square and round hole patterns.
- **Seamless Finish:** Features recessed long edges that allow for a flat, seamless finish for walls and ceilings.
- **Fire Safety:** The board is non-combustible, with low surface flame spread and smoke density.

APPLICATIONS

For interior walls and ceilings where sound insulation and aesthetics are essential:

- Retail complexes and showrooms
- Offices and commercial applications
- Schools, universities, and lecture halls
- Restaurants
- Large venues like cinemas, concert halls, and auditoriums
- Libraries and hospitals

LIMITATIONS:

- Avoid exposure to sustained temperatures exceeding 40 °C and 95% RH
- Avoid exposure to excessive, repetitive, or continuous humidity, chemical fumes, freezing temperature, corrosive substance or vibration before, during, and after installation.
- Ensure wall, floor cavities, and enclosed areas are dry before closing up or applying finishes.

INSTALLATION

Installation Method: Similar to conventional plasterboard; panels can be scored and snapped easily.

Framing: Maximum framing spacing is 600 mm.

Fastening:

- Use minimum 25mm screws, positioned centrally between holes.
- Screw spacing should be 150 mm for recessed, butt, and perimeter edges.
- In-field screw spacing should be 200 mm on centers.

Jointing: For best results, use Knauf jointing compounds and a 3-coat system with paper tape. Back-blocking is recommended in areas with critical light exposure.

Finishing: Roller application is recommended for priming and painting to ensure a uniform texture and protect the non-woven acoustic mat on the back face. Spray painting may block holes and negatively affect acoustic performance.

KNAUF ECHOSTOP INSTALLATION SYSTEM

Correct installation is essential for achieving superior acoustic performance and a seamless aesthetic finish. For comprehensive guidance on installing acoustic plasterboard systems, see the Systems+ Manual.



Submittal Sheet

PROJECT INFORMATION	
Project Name	
Project Location	
Contractor Name	
Date of Submission	

REVIEW AND APPROVAL SECTION					
Reviewer Name and Signature					
Product Name		Approved	With Revisions	Rejected	For Further Deliberation
FOR INTERIOR					
<i>Gypsum Boards</i>					
StandardShield	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SpanShield	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MoistureShield	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FireShield	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DenseShield	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MultiShield	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EchoStop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Access Panels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Ceiling Tiles</i>					
Laminated Panels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Compounds & Finishing</i>					
Premium Jointing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Premium Premix	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Paper Tape	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FOR EXTERIOR					
<i>Cement Board</i>					
Aquapanel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes					

