ISOLFON Barrier

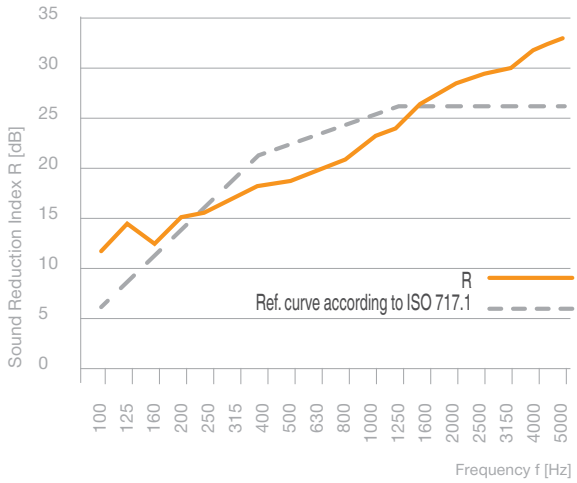
Noise Barrier - Viscoelastic Membrane

ISOLFON - Barrier : High performance, flexible, mass - loaded vinyl noise barrier, offering superior acoustic transmission loss.

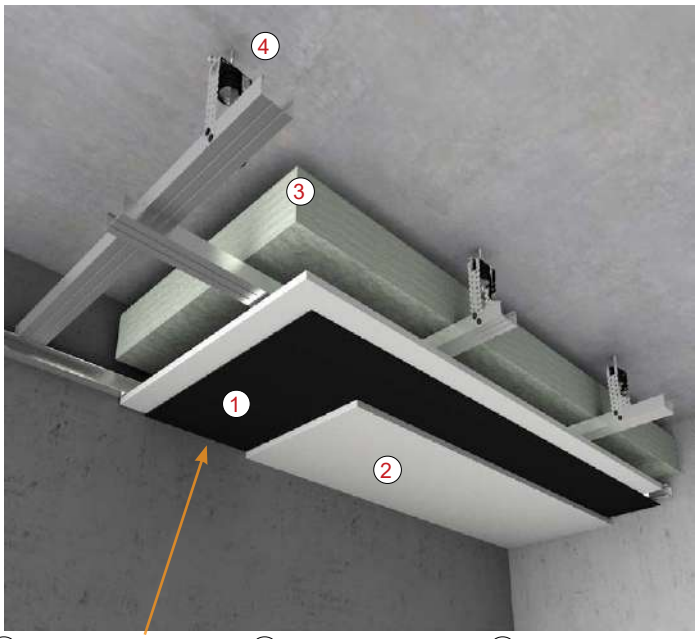
Constructed of non-reinforced blend of polymers compounded mineral filled, without lead and bitumen fillers.
ISOLFON - Barrier can be used to increase transmission loss between acoustically sensitive spaces. It offers comfort, privacy, confidentiality and protection from external noise by improving the noise insulation of existing structures, through retrofitting over existing walls and covering with gypsum board.
Stiff lightweight panel constructions, such as gypsum board, typically have coincidence dip resonance, which allows noise to be transmitted through a construction. The coincidence dip depends on the material's stiffness and thickness and occurs at the point where the transmitted through the structure sound matches the natural frequency of the panel.
ISOLFON - Barrier prevents coincidence dip resonance.

Weighted Sound Reduction Index for Barrier.5R:
Rw (C, Ctr) = **26** (0, -3) **dB**
(according to ISO 140.3 & ISO 717.1)

Sound Reduction Index R [dB]



Application in floating ceilings



(1) Viscoelastic Mass loaded vinyl
ISOL*fon* - Barrier

(2) Gypsumboard

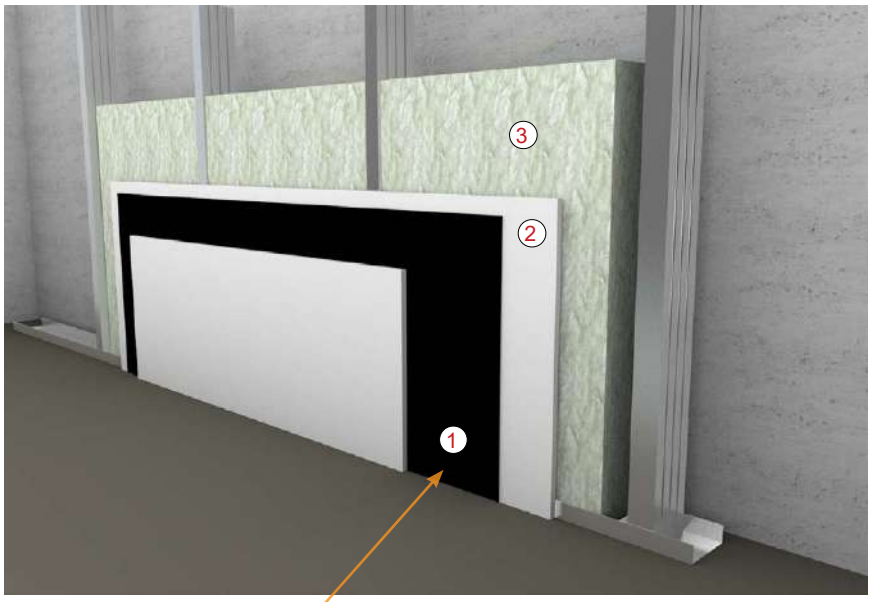
(3) Polyester fiber-slab
iZiFon

(4) Anti-vibration Suspension for Gypsum Board Ceilings
Vibro-Pl.mini

ISOLFON Barrier

Viscoelastic Membrane

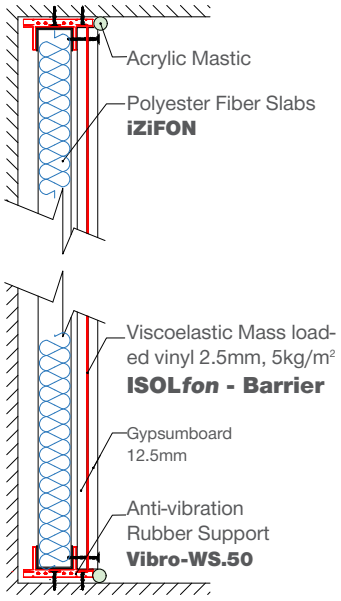
Application in gypsum-board partitions



① Viscoelastic Mass loaded vinyl **ISOLfon - Barrier**

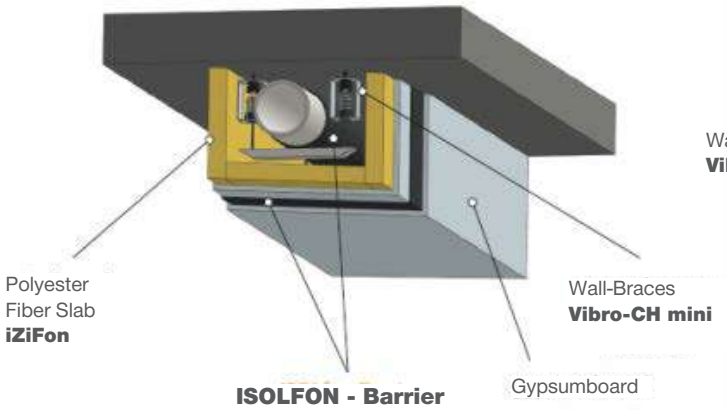
② Gypsumboard

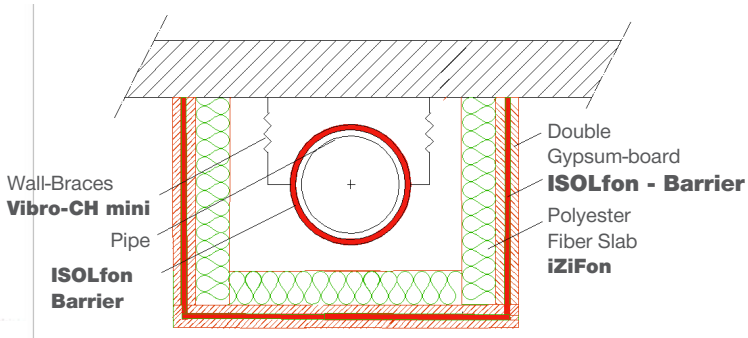
③ Polyester Fiber Slabs **iZiFON**



Section

Application in waste pipe noise insulation





Section

TECHNICAL CHARACTERISTICS

Types		Dimensions	Thickness
Barrier 3.5R:	Rolls with 3.5 kg/m²	5m x 1m	1.8 mm
Barrier 5R:	Rolls with 5 kg/m²	5m x 1m	2.5 mm
Barrier 10P:	Rolls with 10 kg/m²	1.2m x 1m	5 mm

Tensile Strength:	0.9 MPa
Fire Behaviour:	[FMVSS 302] < 100 mm/min ISO 3795: 1989 < 17.6 mm/min
Temperature Range:	-30°C, +130°C (continuous use)

*Our company applies the Quality Management System **ISO 9001.2008** & Environmental Management System **ISO 14001.2004***

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