

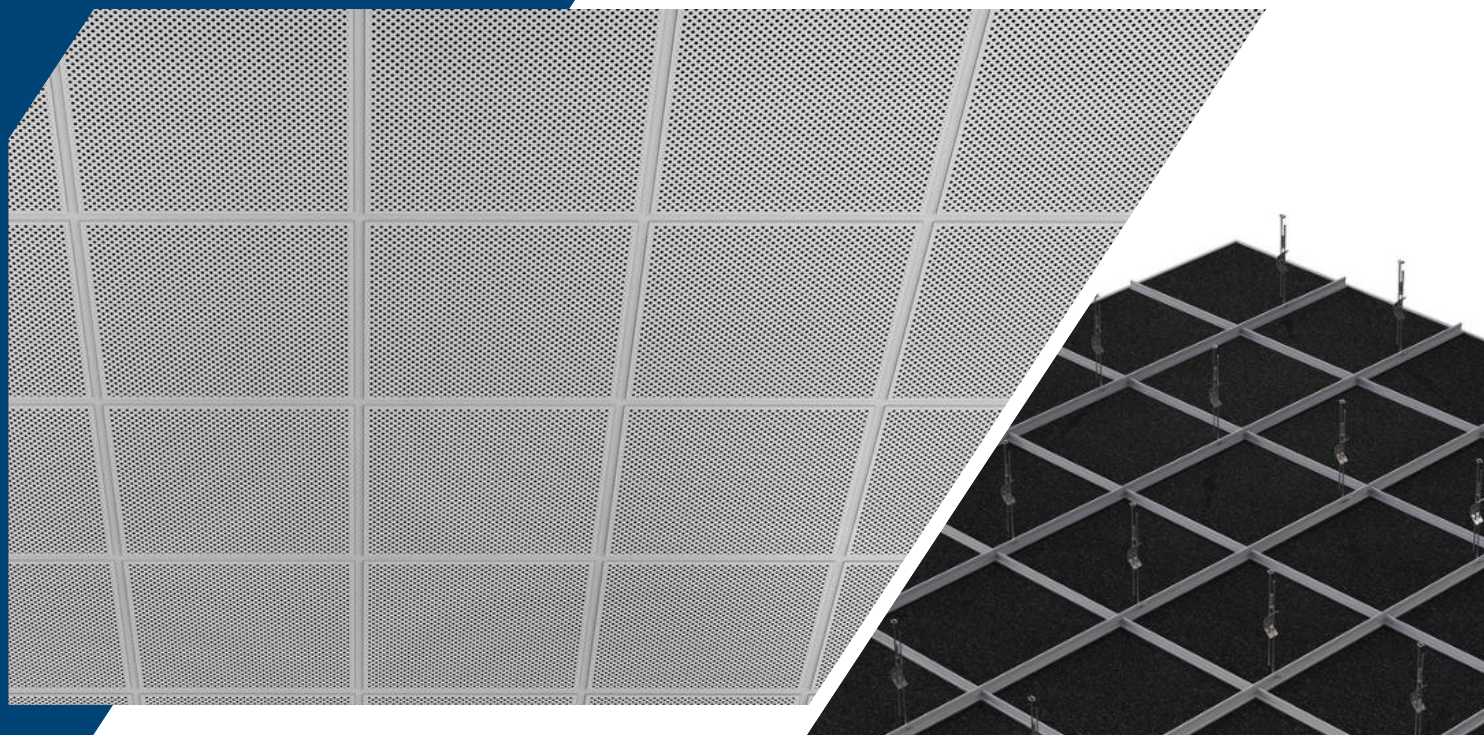


DROP IN / LAY IN



HECHT & EFRAIM

CONNECTING DESIGN AND CONSTRUCTION SINCE 1952



High
sustainability



Quality
management
standard



discharges



Moisture
resistance

DROP IN / LAY IN metal stud ceiling system Made by Hecht-Ephraim

- Perforated panels according to selected perforation with the addition of acoustic fleece with high noise absorption capacity.
- Easy access to areas above the ceiling.
- Meets the requirements of T.I. 921.
- 10-year warranty.
- Includes manufacturer's installation and maintenance instructions.
- The tile is coated with hot-dip galvanized zinc and painted with electrostatic powder coating or BIOGUARD paint in a RAL color of your choice.

➤ 0.8 mm thick aluminum floor tile.

➤ Modular ceiling, semi-recessed or laid on a foundation, with main and secondary supports in keyways of 600X600/610X610/600X1200/610X1220 mm Model T15/T24/Fine Line, manufactured by Hecht Ephraim.

Tiles and infills can be ordered in different sizes upon request.

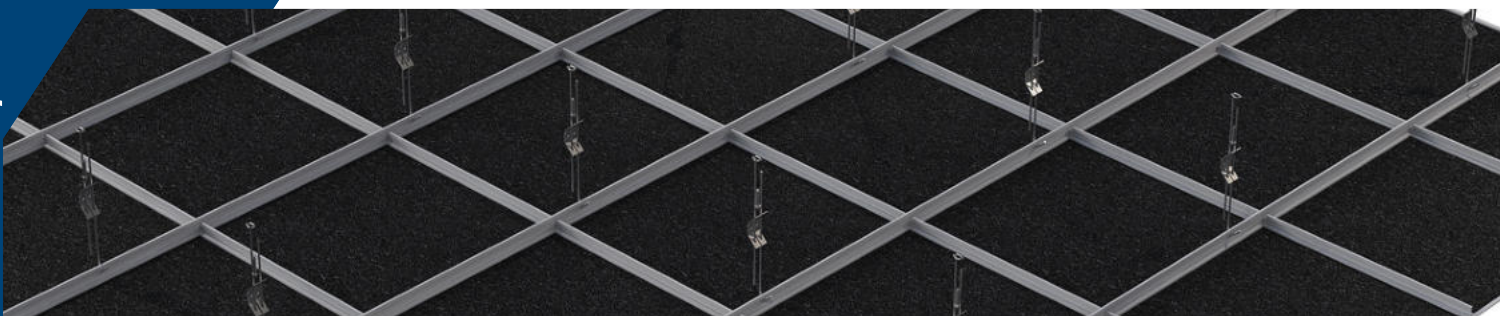
Perforation: According to manufacturer's catalog

Carrier system: Fine-Line/T24/T15 suspension constructions.

Maximum spacing between suspensions – 1.2 m. M6

Suspensions: M6 rigid threaded rods. Maximum spacing between suspensions – 1.2 m.

The suspensions will be connected to the main profile only (MR). No other element other than the ceiling tiles should be hung on the suspension construction. Each additional element will be installed on separate and independent suspensions and their weight will be anchored to the background ceiling.



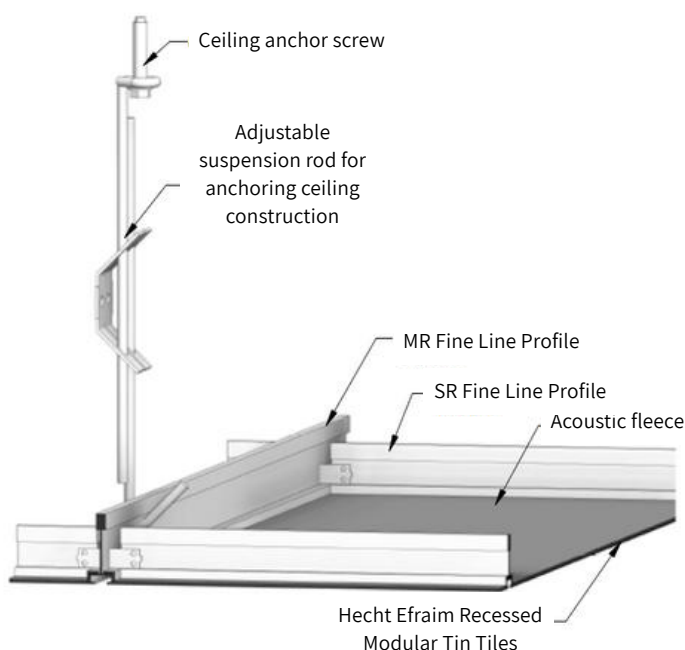
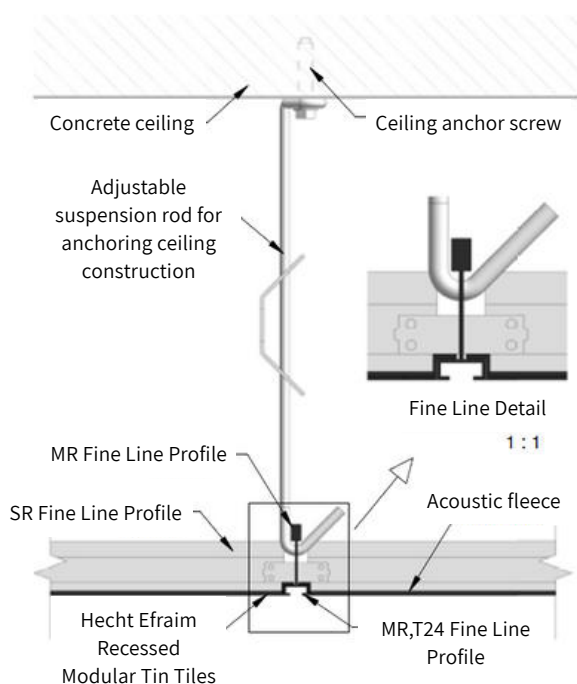
Assembly and disassembly instructions

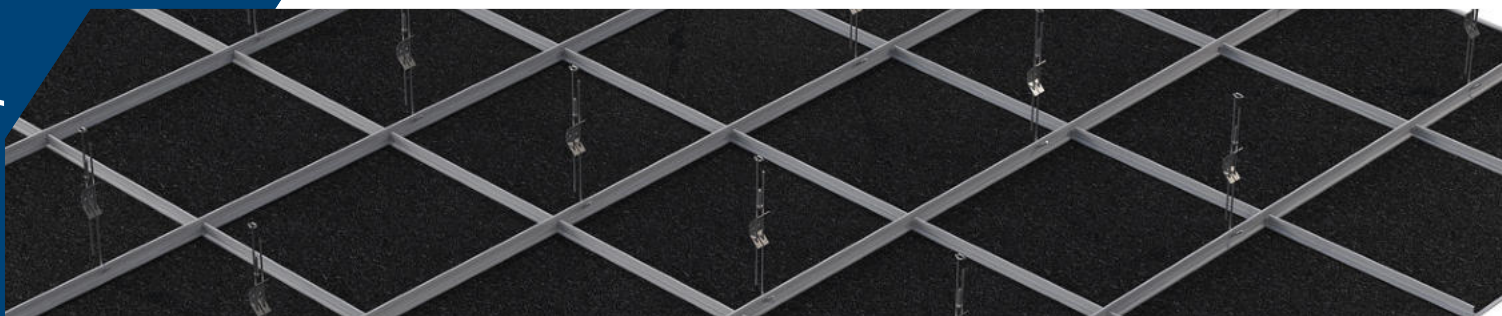
Tile is laid on a selected T24 / T15 / Fine Line construction in openings of your choice with an edge profile in the perimeter and reinforcement for the constructive ceiling according to the requirements of the 5103 standard.

Lighting fixtures can be integrated into the tile or lighting fixtures that replace the tile and are laid with appropriate reinforcement on the construction.

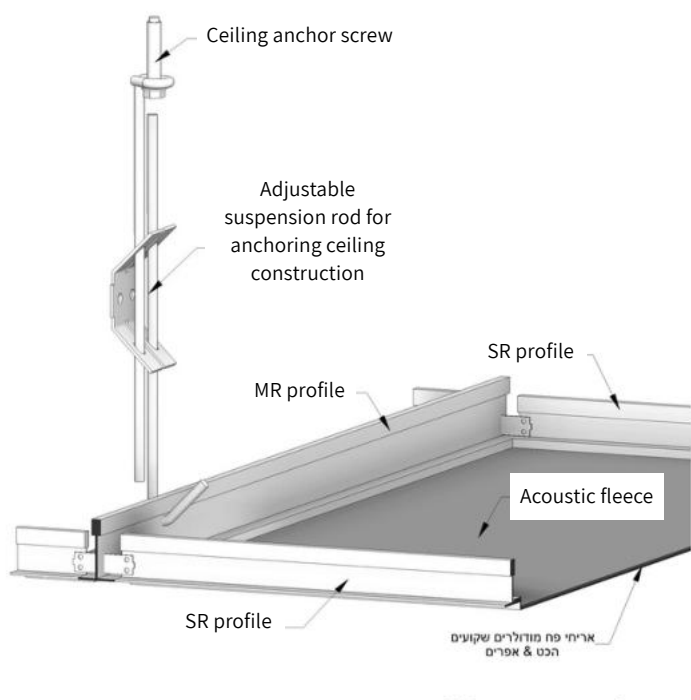
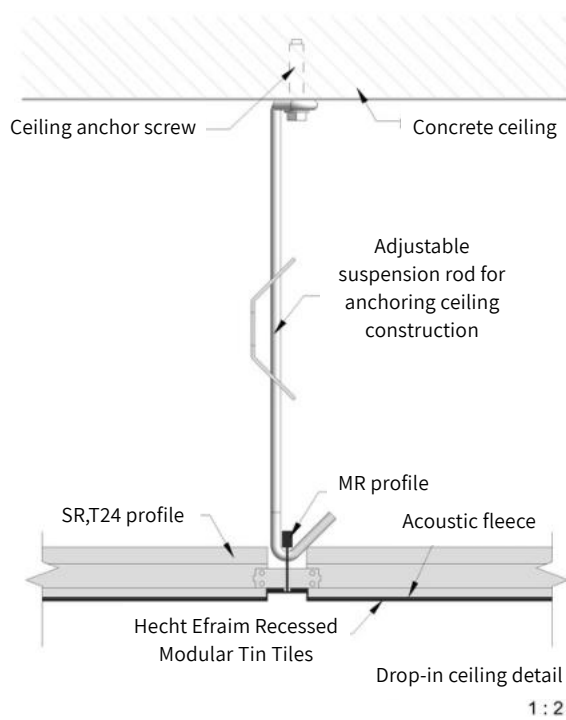
Semi-recessed tile with a recess of 8 mm or laid without recess at all, tile can also be ordered with different recesses on request.

LAY IN





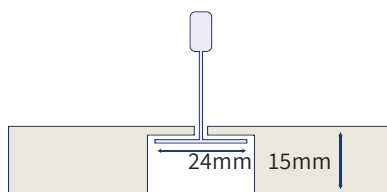
DROP IN



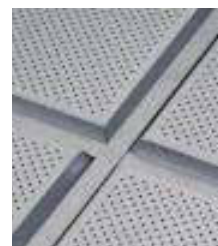
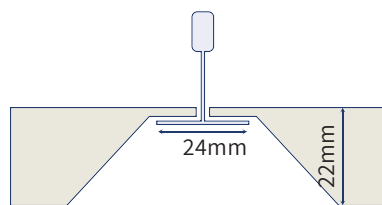
Standard panel recesses and profiles

Trays placed on a 24 mm construction

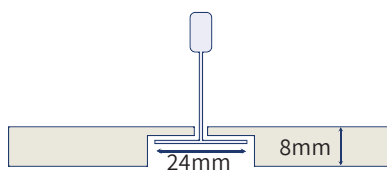
Depth of immersion 15mm



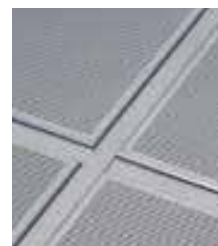
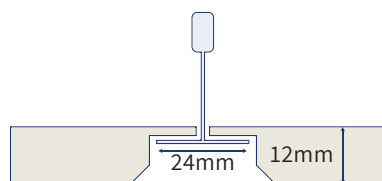
Depth of immersion 22mm (sloped)



Depth of immersion 8mm

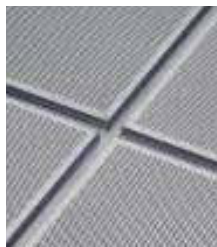
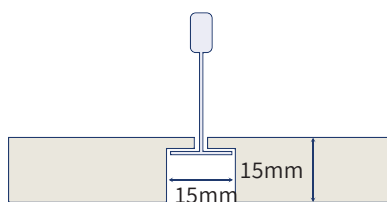


Depth of sink 12mm + phase

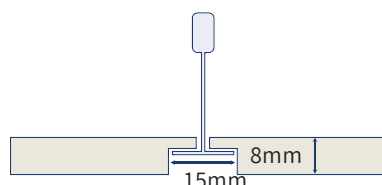


Trays placed on a 15 mm construction

Depth of immersion 15mm + phase

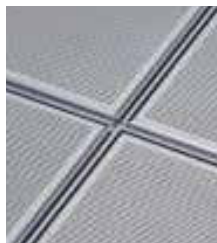
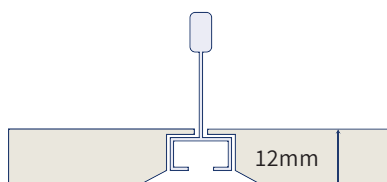


Depth of immersion 8mm

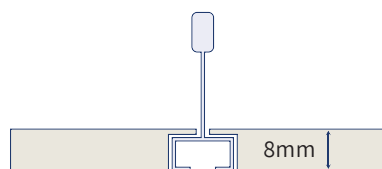


Trays placed on FINE LINE construction

Depth of immersion 12mm

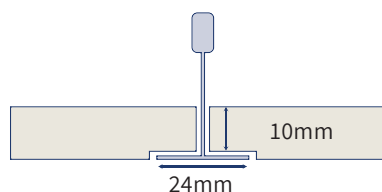


Depth of immersion 8mm



Trays placed on FINE LINE construction

Tray with a 2mm deep bend. The ceiling is obtained at a uniform level, there is no height difference between the construction and the installation cover. The result is a clean look.

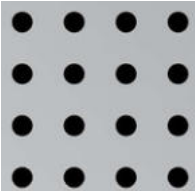


Types of perforations

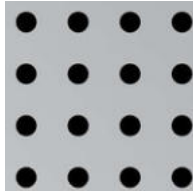
A variety of perforation options are offered to the architect who can choose the size, shape and density of the perforation according to his wishes and in accordance with his various needs.

This choice is another layer of the service we provide to each customer and is designed to meet his special taste and needs.

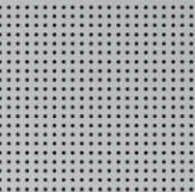
9011

N.R.C 0.65*	Round perforation straight rows 9 mm	
N.R.C 0.75**	Perforation area 11%	
db 40***	Max. tin width for punching 625 mm	
	Perforation max. 600 mm	

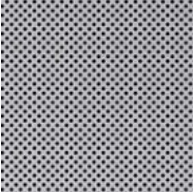
9022

N.R.C 0.65*	mm round hole 9	
N.R.C 0.78**	Perforation area 22%	
db 45***	Max. tin width for punching 625 mm	
	Perforation max. 600 mm	

1510

N.R.C 0.70*	Round perforation straight rows 1.5 mm	
N.R.C 0.75**	perforation area 10%	
db 40***	Max. tin width for punching 1250 mm	
	Max. perforation 1180 mm	

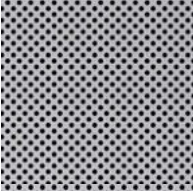
1522

N.R.C 0.75*	Round perforation 1.5 mm	
N.R.C 0.85**	Perforation area 22%	
db 41***	Max. tin width for punching 1250 mm	
	Max. perforation 1180 mm	

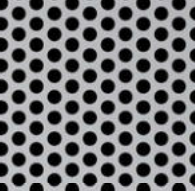
0213

N.R.C 0.70*	Round perforation straight rows 2 mm	
N.R.C 0.80**	Perforation area 13%	
db 50***	Max. tin width for punching 1250 mm	
	Max. perforation 1180 mm	

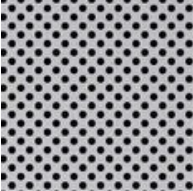
2026

N.R.C 0.78*	mm round hole 2	
N.R.C 0.89**	Perforation area 26%	
db 41***	Max. tin width for punching 1250 mm	
	Max. perforation 1180 mm	

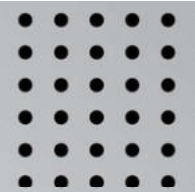
6041

N.R.C 0.85*	Dense circular perforation 6 mm	
N.R.C 0.94**	Perforation area 41%	
db 40 36***	Max. tin width for punching 1250 mm	
	Max. perforation 11800 mm	

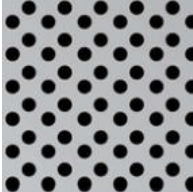
3011

N.R.C 0.81*	Round hole 3 mm	
N.R.C 0.92**	Perforation area 11%	
db 37***	Max. tin width for punching 625 mm	
	Perforation max. 600 mm	

6012

N.R.C 0.70*	Round perforation straight rows 6 mm	
N.R.C 0.80**	Perforation area 12%	
db 50***	Max. tin width for punching 1250 mm	
	Max. perforation 1180 mm	

6016

N.R.C 0.75*	Round hole 6 mm	
N.R.C 0.85**	Perforation area 16%	
db 45***	Max. tin width for punching 1250 mm	
	Max. perforation 1180 mm	

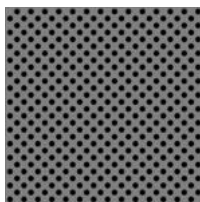
*Average noise absorption with the addition of acoustic fleece gluing **Average noise absorption (with the addition of acoustic fleece gluing and the laying of a 16.1 kg per cubic meter compressed glass wool mattress) ***Average noise absorption (with the addition of acoustic fleece gluing and the laying of a rock wool mattress Compressed with a thickness of "16.1 kg per cubic meter) and a metal back panel cover

Types of perforations

A variety of perforation options are offered to the architect who can choose the size, shape and density of the perforation according to his wishes and in accordance with his various needs.
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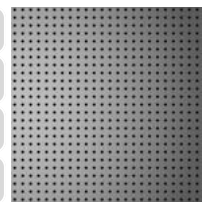
3028

N.R.C 0.78*	Round perforation straight rows 3mm
N.R.C 0.89**	Perforation area 28%
	Max. tin width for punching 500 mm
db 41***	Max. perforation 380 mm



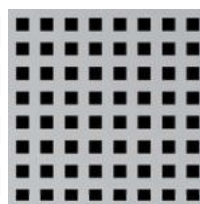
1507

N.R.C 0.70*	Round perforation straight rows 31.5mm
N.R.C 0.75**	Perforation area 7%
	Max. tin width for punching 1250 mm
db 40***	Max. perforation 1180 mm



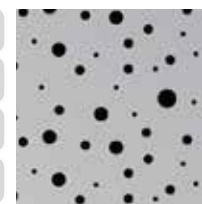
S5030

N.R.C 0.75*	Square perforation 5.5X5.5 mm
N.R.C 0.85**	perforation area 30%
	Max. tin width for punching 625 mm
db 47***	Perforation max. 600 mm



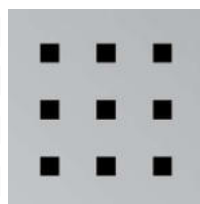
R2468

N.R.C 0.65*	Random round perforation 2X4X6X8 mm
N.R.C 0.75**	Perforation area 11%
	Max. tin width for punching 1250 mm
db 45***	Max. perforation 1180 mm



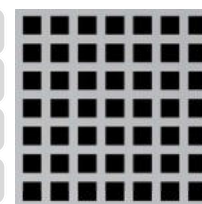
S8011

N.R.C 0.61*	8x8 mm square perforation
N.R.C 0.75**	Perforation area 11%
	Max. tin width for punching 1250 mm
db 40 42***	Max. perforation 1180 mm



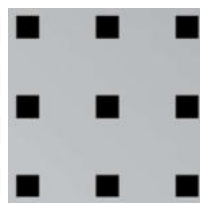
S8044

N.R.C 0.85*	8x8 mm square perforation
N.R.C 0.94**	Perforation area 44%
	Max. tin width for punching 1250 mm
db 40 36***	Max. perforation 1180 mm



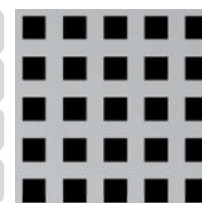
S1012

N.R.C 0.65*	Dense circular perforation 10X10 mm
N.R.C 0.75**	Perforation area 12%
	Max. tin width for punching 625 mm
db 40***	Perforation max. 600 mm



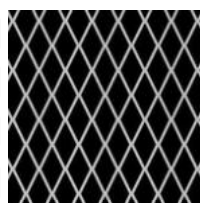
S1036

N.R.C 0.85*	Round perforation 10x10 mm
N.R.C 0.94**	Perforation area 36%
	Max. tin width for punching 625 mm
db 45***	Perforation max. 600 mm



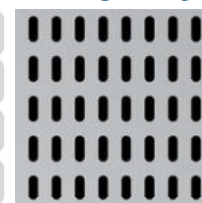
D170

N.R.C 0.75*	Diamond punch 9X20 mm
N.R.C 0.84**	Perforation area 70%
	Max. tin width for punching 625 mm
db 42***	Perforation max. 600 mm



OB40

N.R.C 0.45*	Oval perforation 4X15 mm
N.R.C 0.95**	Perforation area 25%
	Max. tin width for punching 625 mm
db 39***	Perforation max. 600 mm



*Average noise absorption with the addition of acoustic fleece gluing **Average noise absorption (with the addition of acoustic fleece gluing and the laying of a 16.1 kg per cubic meter compressed glass wool mattress) ***Average noise absorption (with the addition of acoustic fleece gluing and the laying of a rock wool mattress Compressed with a thickness of "16.1 kg per cubic meter) and a metal back panel cover

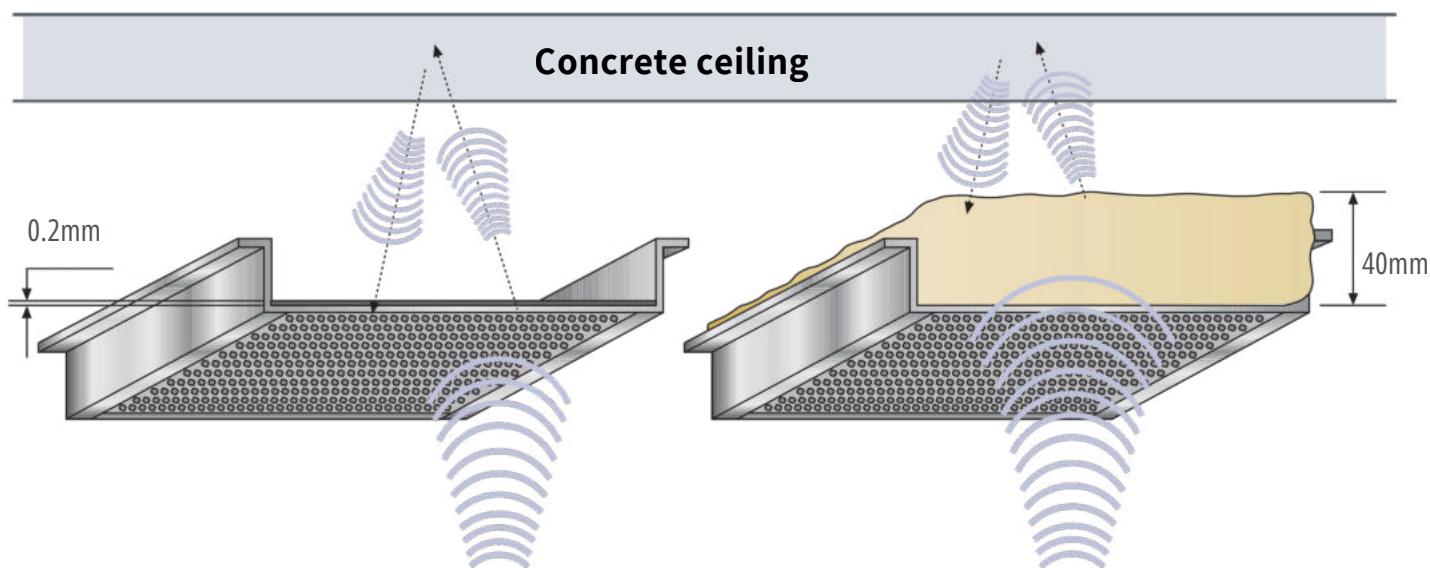
isolation

The Hecht Ephraim company is a representative of the Royaline company - Germany.

Non-woven acoustic fleece, with a noise absorption capacity of up to 0.8 (reduction of about 10 decibels) with a thickness of 0.2 mm is affixed with acoustic glue on the back of the ceiling and wall units.

advantages

- High noise absorption, effective handling of different decibel levels (see diagram).
- It does not detach and does not move from the unit, so removing the trays for the purpose of maintaining the systems above them and re-placing them afterwards is easy, fast and simple.
- Meets the requirements of TI 921.
- The insulation does not absorb moisture.
- Acoustic insulation in black tones that emphasizes the appearance of perforation and alternatively in white tones for a monolithic look.



*Additional glass wool/rocks can be added above the tile depending on the ceiling model.

