

Highway sound barrier with mineral wool insulated core.
Unlike others, Uran Sound Insulation Highway is lightweight, easy and quick to install, simple to maintain and guarantees high sound absorption.

Certifications

α_s 1.0

Sound absorption

up to α_s 1.0 (80 mm) in compliance with ISO 354

R_w 37

Sound insulation

up to R_w 37 dB in compliance with ISO 140-3

Use and specifications



Acoustic comfort

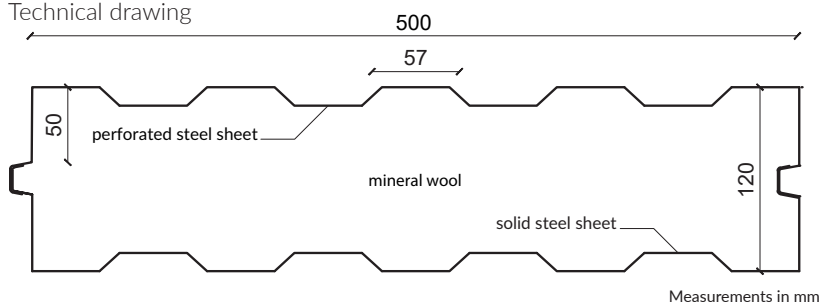


Fast assembly

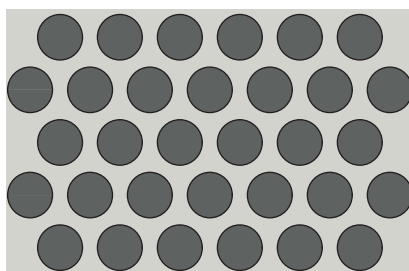


Highway barrier

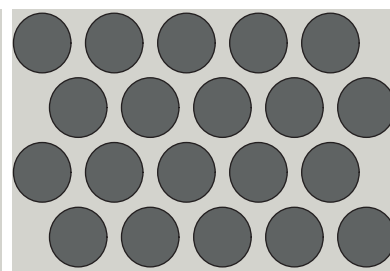
Technical drawing



Perforation R6T8 - 51%



Perforation R8T10 - 58%



Reference measurements*:

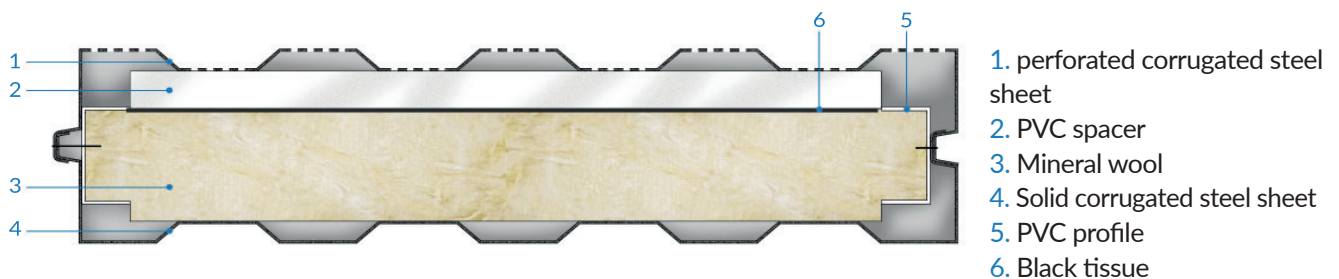
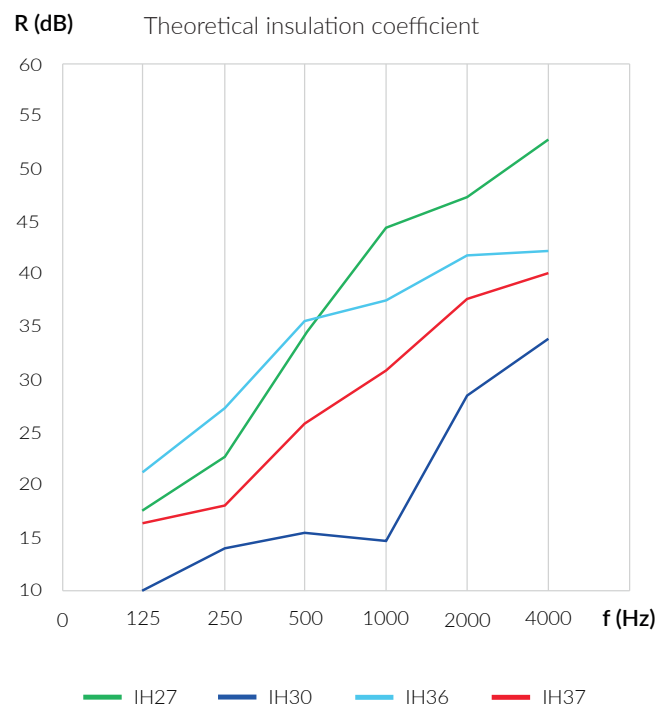
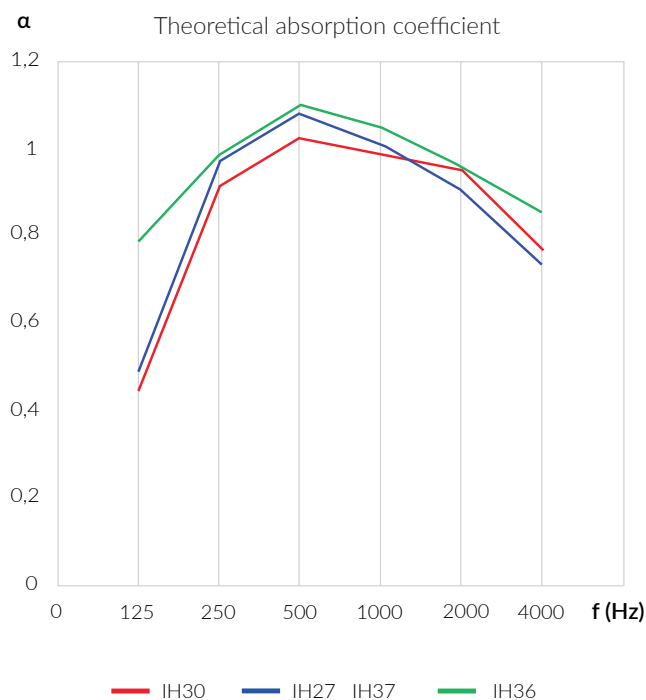
Width.	Length.	Thickness.
500 mm	from 2500 mm to 3000 mm	120mm

* Size can be customised to prevent cuts and adjustments.

name	α	Rw (dB)	internal steel sheet (mm)		external steel sheet (mm)		core	insulation thickness (mm)	Weight (kg/m ²)
			material	thickness	material	thickness			
IH 27	0.9*	27**	0.7	steel	0.8	steel	mineral wool	90	24.8
IH 30	0.9	30	1.2	aluminium	1.5	aluminium	mineral wool	50	14.9
IH 36	1.0	36	1.2	aluminium	1.2	aluminium	mineral wool	80	20.0
IH 37	0.9	37	1.5	steel	1.5	steel	mineral wool	60	34.4

* estimated

** value obtained with open field tests



Panurania highway sound barriers have precise technical specifications.

The corrugated steel sheet allows for the filtration and refraction of frequencies.

The PVC spacer protects the mineral fibre from weathering (rain, wind, etc.), ensuring greater durability, also thanks to the sheet metal painting process.

The same distance from the mineral fibre is envisaged at the bottom part of the panel for water drainage.