

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

$\alpha_s$  1.0

#### Sound absorption

up to  $\alpha_s$  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

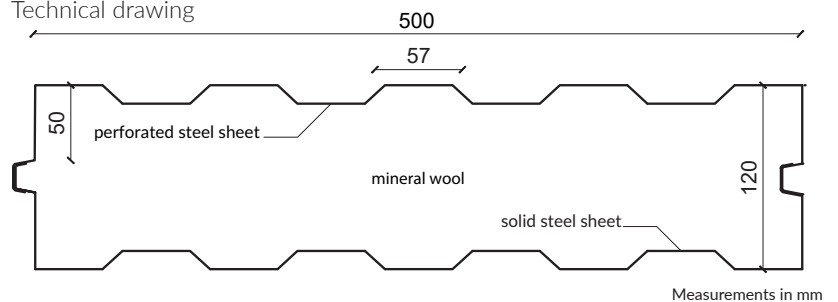


Fast assembly

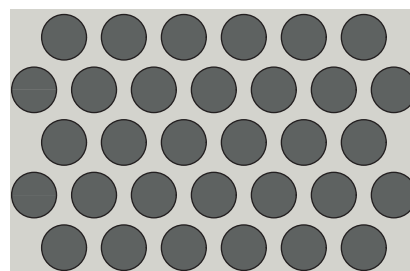


Highway barrier

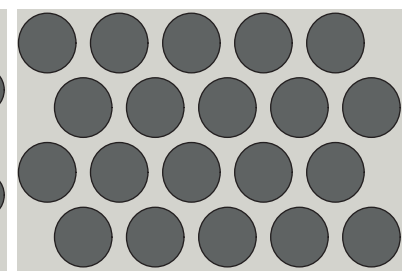
Technical drawing



Perforation R6T8 - 51%



Perforation R8T10 - 58%



#### Reference measurements\*:

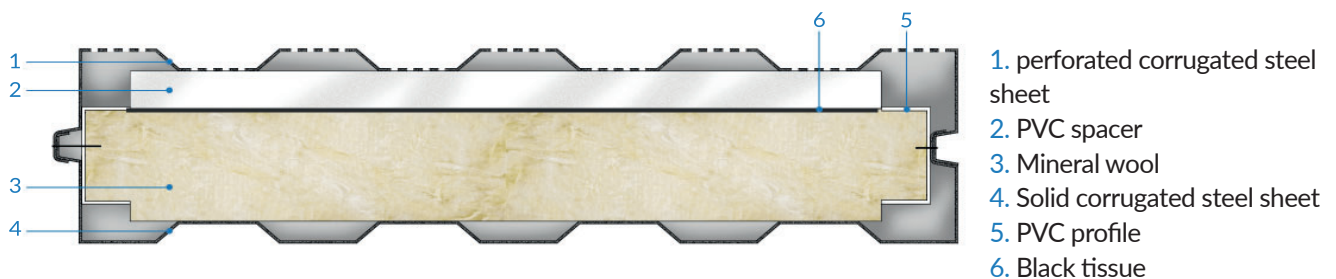
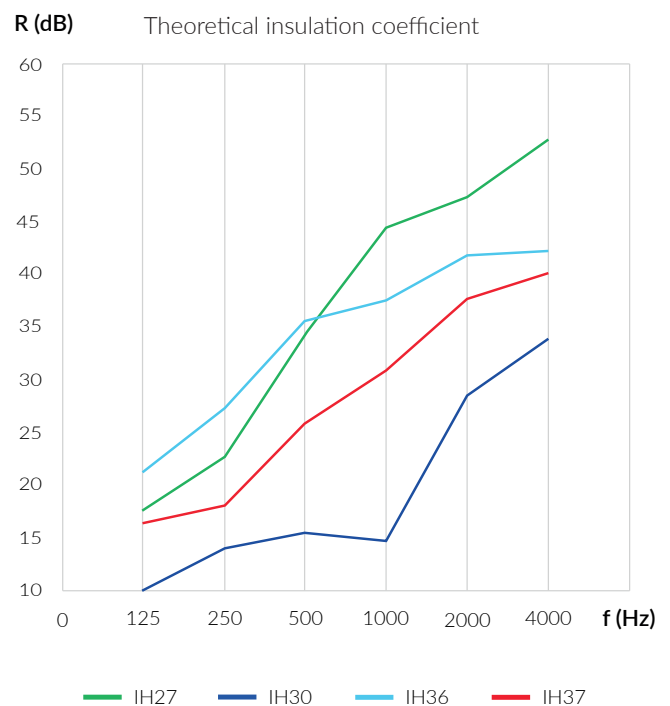
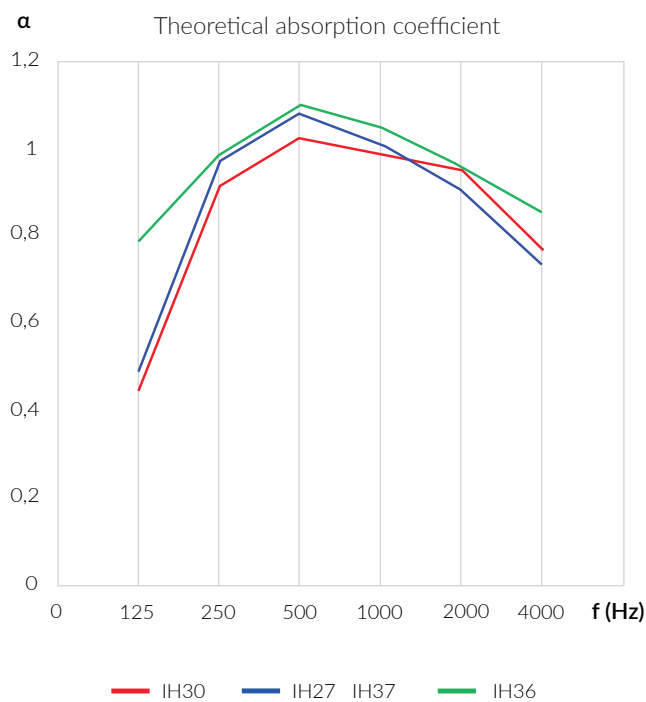
Width.	Length.	Thickness.
500 mm	from 2500 mm to 3000 mm	120mm

\* Size can be customized to prevent cuts and adjustments.

name	$\alpha$	Rw (dB)	internal steel sheet (mm)		external steel sheet (mm)		core	insulation thickness (mm)	Weight (kg/m <sup>2</sup> )
			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	aluminum	1.5	aluminum	mineral wool	50	14.9
IH 36	1.0	36	1.2	aluminum	1.2	aluminum	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 fiber from weathering (rain, wind, etc.), ensuring greater durability, also thanks to the sheet metal painting process.

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