



RAILONE NOISE ABSORBER RONA

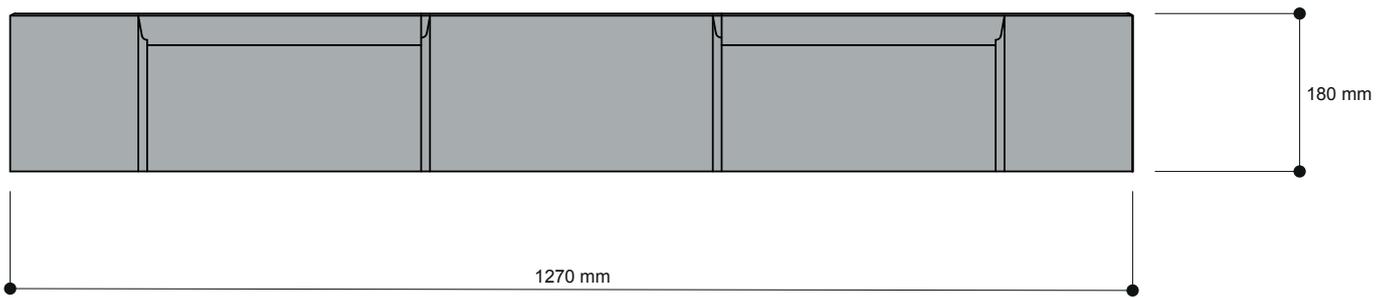
Slab tracks are particularly high-performance railways that are increasingly used in high-speed or highly frequented routes.

Such traffic arteries often also result in particularly high noise pollution for residents, which needs to be reduced by suitable measures such as noise barriers. These structures are usually expensive to purchase and maintain, or cannot be built due to limited space. The RONA sound absorption lining from RAILONE offers an effective alternative in this regard, especially in combination with other measures.

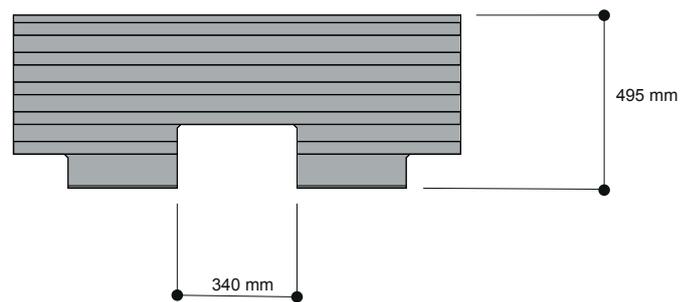
ADVANTAGES

- Maximum safety due to the use of industrially produced precast elements in compliance with the highest quality standards
- High cost-effectiveness as a result of fast and simple installation without additional drilling and screwing work to secure the position of the elements
- Flexibility as it can be used effectively and proven over many years in different traffic modes such as high-speed or local traffic operations
- No obstruction of necessary maintenance measures, e.g. on rails or rail fastenings





RONA consists of precast concrete elements that, thanks to their special surface properties and porosity, effectively reduce sound absorption from wheel-rail contact. This can reduce the overall sound level of train traffic by up to three decibels. For this purpose, the precast absorbers are laid over the entire or partial surface of the track. Due to their own weight, the precast elements are adequately secured and therefore do not require any additional fixation with the carriageway.



This means that the system can be laid very efficiently and quickly - if necessary also during short post-blocking breaks - or removed if required, although normal maintenance measures such as rail grinding do not require this.

The system has been in use for more than ten years on various Deutsche Bahn lines, both in inner-city areas in tramway operation and in high-speed operation at speeds of up to 330 km/h, and since then has not required any maintenance or even repair measures.

