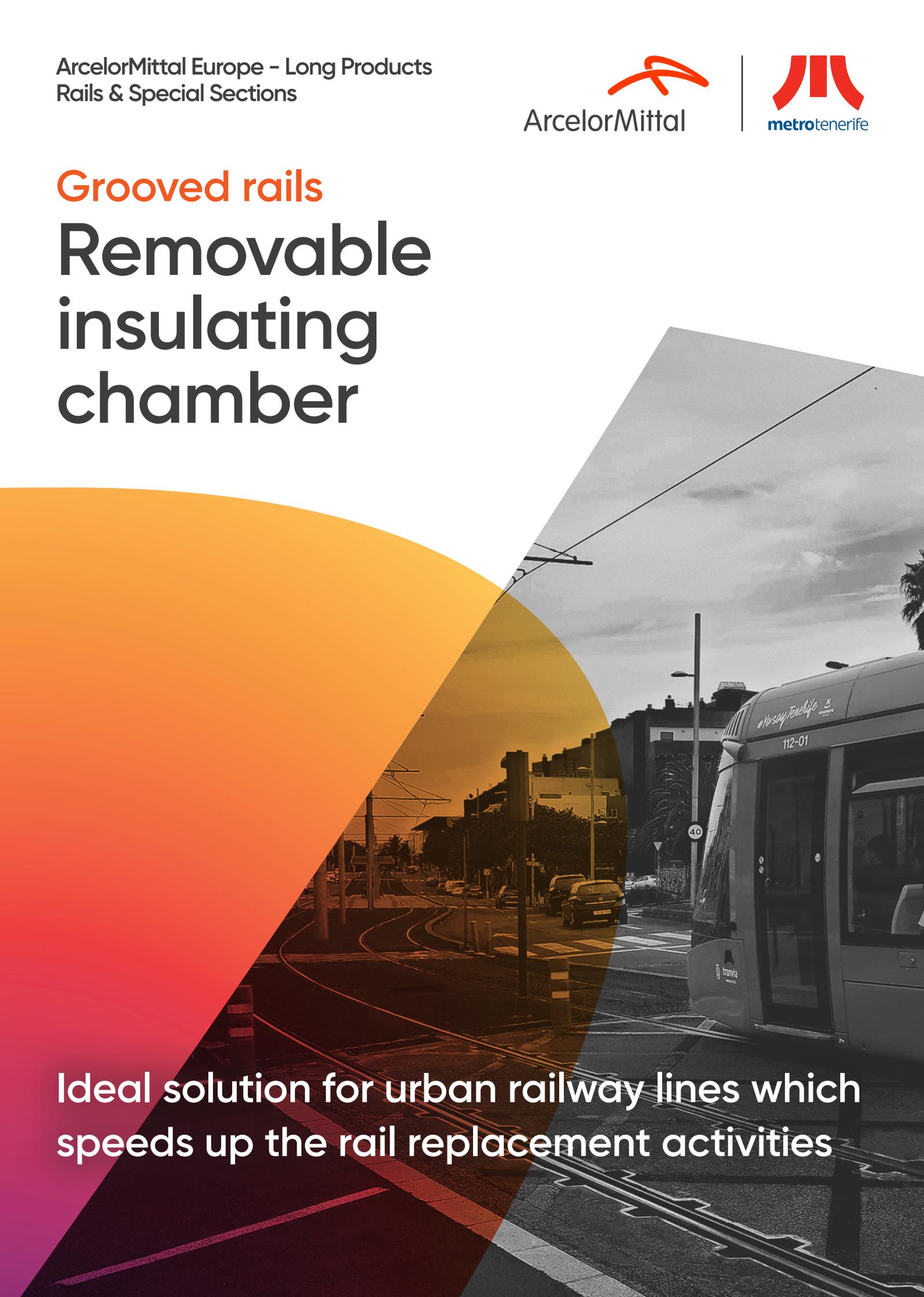


Grooved rails Removable insulating chamber



Ideal solution for urban railway lines which
speeds up the rail replacement activities

Objective: Speed up the rail replacement activities, reduce costs and avoid trouble to railway operation and urban environment.

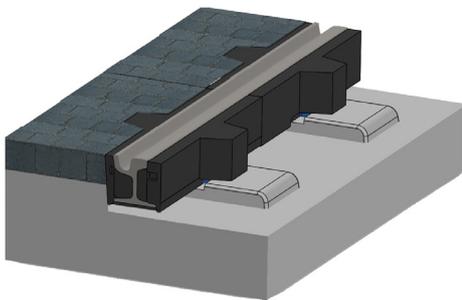
During the service life of the urban light rail lines, rails must be replaced due to wear and tear.

With standard insulating chamber solutions, this operation entails demolishing the track platform covering, as both rails and fasteners are embedded in it.

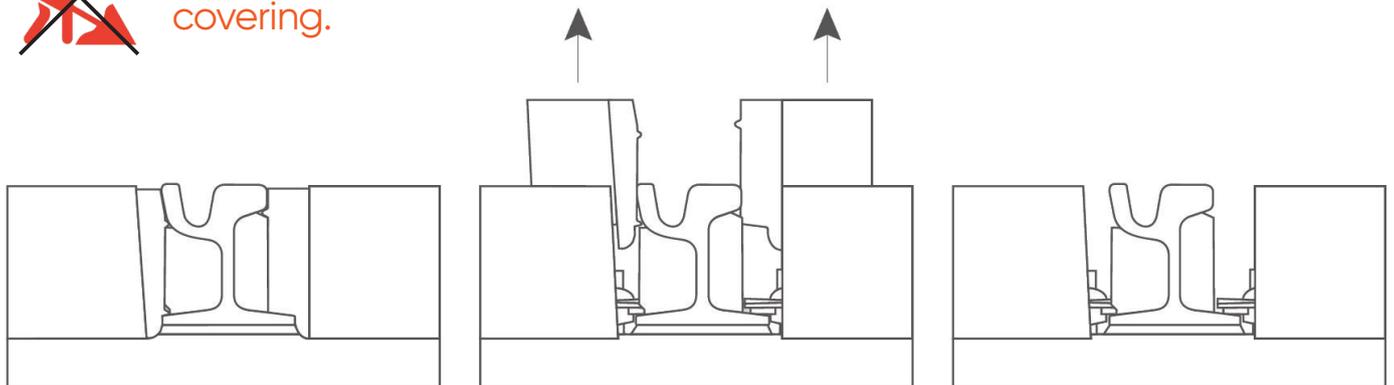
The new removable insulating chamber for grooved rail solves the problems of said demolition, since it can be removed without affecting the track covering.

Performance

-  Electrical and acoustic insulation of the rail.
-  Manufactured with recycled material.
-  Compatible with a variety of rail fasteners.
-  Compatible with a variety of track coverings.
-  Compatible with railroad crossings.

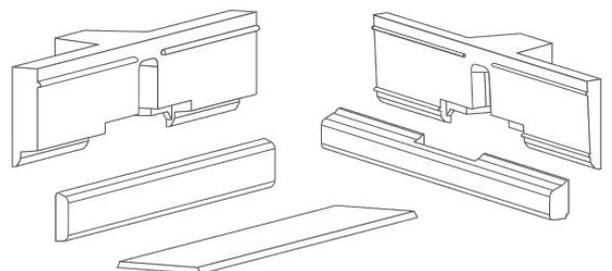


Vertical removal for rail replacement without the need to demolish the covering.



The components of the chamber completely wrap the rail in its lower part and its sides, thus meeting the insulation needs required by the rails in urban routes:

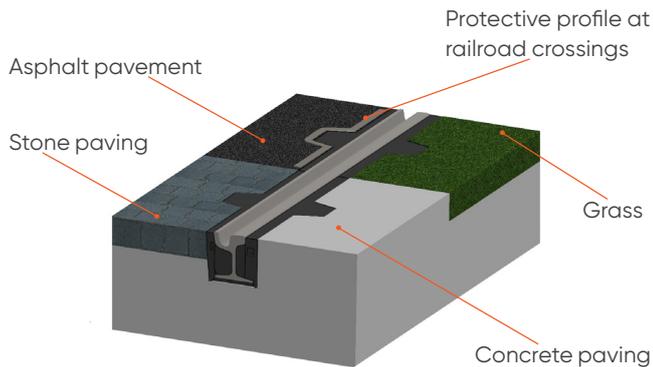
- Electrical insulation (stray current propagation)
- Acoustic insulation (environmental noise caused by railway traffic)



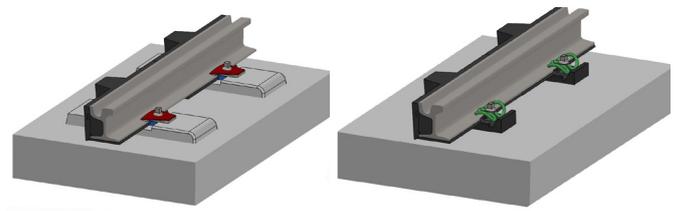
The removable insulating chamber:

- Compatible with a variety of track surface coverings in pedestrian areas, railroad crossings, greenways, ...
- Compatible with a variety of rail fastening models and track systems.
- The protection cap of the fastening used with the standard chamber solution is no longer needed.
- At railroad crossings, a protective metal profile is inserted to protect the interface between chamber and covering.

Compatible with several types of coverings



Compatible with a variety of fastenings

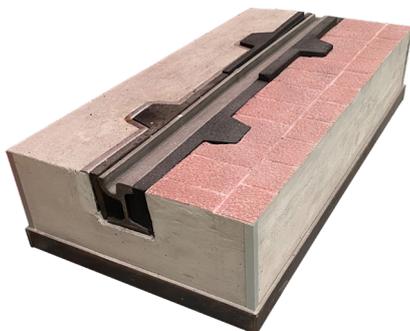


Nabla-type fastening system

Clip-type fastening system

Advantages over standard solution:

- Cost reduction in rail replacements.
- Reduction of lead times in rail replacements.
- Reduction of interferences on commercial transportation services.
- Reduction of troubles to the urban environment due to noise, dust, traffic diversions.
- Absence of construction and demolition waste.
- Environmental improvements, by eliminating the protective plastic caps of the fastening.



Awards:





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