



AMORIM RAIL

Railway



High-quality solutions for rail applications

AMORIM CORK SOLUTIONS

Engineered to perform

Amorim Rail materials provide different degrees of impact attenuation, for light and heavy rail applications, in slab and ballast track, used as well in special track works such as turnouts, crossings and crossovers.

Reduces the level of impact forces on the sleeper, and consequently to the substructure



Provides electrical insulation



Contributes to longer service life of track components



Enhances overall track performance and reliability



Reduce vibration transmission and consequent noise



Flexible manufacturing capabilities

- Multiple component formats: sheets, rolls, blocks, and cylinders.
- Technical and project support provided throughout concept definition, specification, delivery, and installation.
- Scalable manufacturing supported by a global industrial infrastructure, ensuring reliable and uninterrupted supply for large rail projects.
- Two production units: Portugal and United States (Trevor).



Mat solutions

Customization of roll length and width

Flat and profiled materials for different track interfaces

Engineered geometries for optimized noise and vibration attenuation



Under Ballast Mats



Floating Slab Mats



Precast Slab Mats



Track design assist

Technical tool to support material selection for railway systems, providing reference values for rail deflection and insertion loss for under ballast mats and floating slab mats.

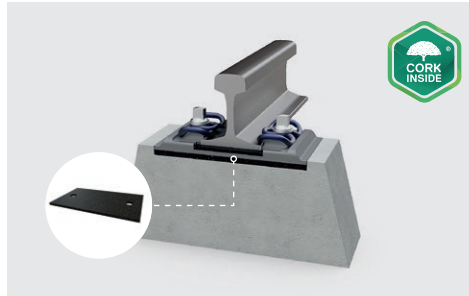
*Developed by ICS-FEUP (Institute for Sustainable Construction - Faculty of Engineering, University of Porto) in collaboration with Amorim Cork Solutions.

Cork-rubber pads

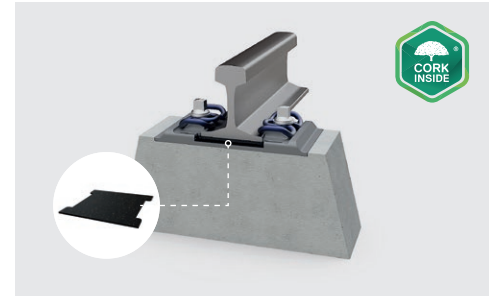
Extensive reference range
(VC91 - VC96)

Engineered to accomodate varying
loads, stiffness requirements and
operating conditions

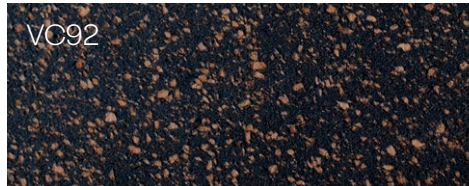
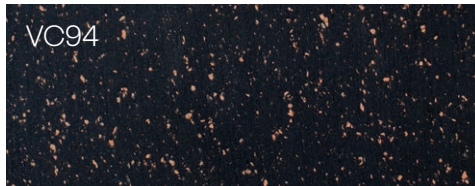
Fully customized parts with complex
shapes enabled by advanced CNC
machining and waterjet cutting



Baseplate Pads



Rail Pads



Amorim Cork Solutions

R. Comendador Américo Ferreira Amorim, 260

4535-186, Mozelos VFR, Portugal

T. +351 22 747 5300 **F.** +351 22 747 5301 **E.** mail.acs@amorim.com

Amorim Cork Solutions USA

26112 110th Street

Trevor, WI 53179, USA

T. +1 262 862 2311 **F.** +1 262 862 2500 **E.** mail.acs.usa@amorim.com

www.amorimcorksolutions.com