

# SUCCESS STORY

#### RAILWAYS

#### **PROJECT DATA**

### **Brief description**

Installation and integration of elastic rail pads in precision steel base as a reorganisation measure of rail support points. Requirement

The main purpose of the pilot project is an efficient renovation project using precision steel base in a railway underpass.

City, Year Berlin, 2020

# **PROJECT DESCRIPTION**

To be able to refurbish the existing rail support points within a closure period, thyssenkrupp Schulte found a solution with which all dynamic forces resulting from regular railway traffic can be absorbed and dissipated into the substructure. The precision steel base, manufactured as a solid component, was delivered with the pre-assembled rail fastening system components for easy installation.

## SOLUTION

By using highly elastic microcellular EPDM rail pads in optimised permanent way for quick replacement, the transfer of vibrations into the substructure can be reduced efficiently and permanently, thus protecting the track system. The spring stiffness according to the customer's requirements is set via the degree of foaming of the closed-cell pores and can be adjusted to the respective existing track system. This renovation variant was positively evaluated by the customer and classified as practicable for future renovations. Berlin, Pilot project precision steel base





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