



SIKA AT WORK

The Bridge reconstruction on Plzenska Street over Vyskovicka Street, Ostrava

Installation of a flexible track bed on a reinforced concrete tramway bridge



REQUIREMENTS:

The aim of the project was the construction of a flexible track bed on a reinforced concrete tram bridge. The investor's requirement for the material used was the dampening of noise and vibrations transmitted to the bridge structure. The existing solution used pre-manufactured fittings with vibration isolation properties – these have a standard fixed height and had to be underlaid in previous applications. Following a request from the main contractor and the application company, the existing solution was replaced with Sika® Icosit® KC 340/7.

Investor: Dopravní podnik Ostrava a.s.

FIRESTA-Fišer, rekonstrukce, stavby a.s.

Application company: TORAMOS, s.r.o.

Sika SOLUTION:

The advantage of the Sika® Icosit® KC solution is the flexibility of the material under (whole undersealing height) the base-plate and the speed of application. On the bridge deck was applied waterproofing top layer.

The anchors were fixed in the bridge deck, the rails were laid and rectified, and the base-plate was undersealed with Sika® Icosit® KC 340/7.

Sika® Icosit® KC 330 Primer – primer to increase the adhesion of grout to the substrate (6 l).

Sika® Icosit® KC 340/7 – 2-component, flexible, PU-based grout for the precision alignment, fixing track components to rigid substrates such as concrete slabs, steel bridge decks, dampens secondary noise and vibration with very good electrical insulating properties (980 kg).

SikaPasty Wax-818 – solvent-free wax-based demoulding agent. Formwork treatment material for easy demoulding (0.9 kg).

The solution is functional, aesthetic, quick and almost maintenance-free.

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