



# SIKA AT WORK

## TRAIN WASH OF THE ROLLING STOCK OF RAPID CITY RAIL (SKM) IN WARSAW

SIKA TECHNOLOGIES: Railfixing system: Icosit® KC 340/7, Icosit® KC 330 Primer

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# DISCRETE FIXATION OF RAILS WITH **ICOSIT® KC 340** SYSTEM

**THE CONSTRUCTION OF THE RAPID CITY RAIL (SKM) TRAIN WASH AT THE WARSZAWA SZCZĘŚLIWICE STATION** was one part of a comprehensive modernization of the SKM technical and parking facility in Warsaw. The construction project included the track system, the traction network and the rolling stock service hall. An automatic train wash with a usable area of approximately 1100 m<sup>2</sup> located in the new hall is designed for year-round washing of rolling stock, 24 hours a day. It is equipped with a closed water circulation system and equipment allowing to wash trains at temperatures down to -25 °C. The train wash has its own water tanks and technological water treatment plant.

## PROJECT REQUIREMENTS

The rail trackage arranged inside the train wash hall required a solution allowing for discrete fixation of the track with rails fastened directly to the construction slab without steel anchor bolts in the concrete – it was crucial as they would be exposed to corrosion due to a moist environment of the train wash.

## SIKA SOLUTIONS

**Icosit® KC** rail fixing system was used to fix the rails in the rolling stock in Warsaw. **Icosit® KC 340/7** is used for discrete (direct) resilient rail fixation to the reinforced concrete slab. This solution protects the structure against dynamic loads and reduces vibration and secondary (material) noise. It also enables direct

fixation of the rails without steel anchor bolts in the concrete. **Icosit® KC 340/7** is poured in a liquid form and hardens without shrinkage, perfectly adapting to the ground and allowing for precise alignment of rails. After curing it is characterized by high resilience. Material does not conduct electric charge.





## PROJECT PARTICIPANTS

**Owner:** SKM Warszawa

**Investor:** SKM Warszawa

**Project:** TORPROJEKT Sp. z o.o.

**Main contractor:** TRAKCJA PRKII S.A.

**Subcontractor:** Teknobud

**Sika Poland:** Tomasz Wesołowski

Our most current General Sales Conditions shall apply.

Please consult the most current local Product Data Sheet prior to any use.



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