



SIKA AT WORK

CONSTRUCTION OF TRAM TRACK ALONG WAŁY GEN. SIKORSKIEGO STREET AND ST. JOHN PAUL II STREET, TORUŃ

SIKA TECHNOLOGY: railfixing: **Icosit® KC** system

BUILDING TRUST



TRAM TRACK ALONG WAŁY GEN. SIKORSKIEGO STREET AND ST. JOHN PAUL II STREET IN TORUŃ

Project **"RECONSTRUCTION OF THE TRACK AND ROAD SYSTEM IN WAŁY GEN. SIKORSKIEGO STREET AND ST. JOHN PAUL II STREET TOGETHER WITH THE CONSTRUCTION OF THE TRAM AND BUS LANE IN TORUŃ - BIT-CITY II"** covers one of the most important communication areas of the city of Toruń. One of the stages of the investment was, among others construction of a tram and bus lane along Wały Gen. Sikorskiego street and St. John Paul II street. New the track section will allow for the introduction of additional tram connections, thanks to which trams they will be able to take over some of the passengers who have used private and bus transport so far.

The main purpose of the project is to improve the quality of public space and improve the level of passenger safety, as well as organizing the urban space in the immediate vicinity of the inscribed Old Town complex on the UNESCO World Heritage List

Source: www.bitcity2-rpo.mzk-torun.pl

PROJECT REQUIREMENTS

The construction of a tram track with a length of approximately 2 km of a single track included the use of two technologies for the construction of the track structure:

- the track in the line of Wały Gen. Sikorskiego street was designed in the ballast free technology on concrete prefabricated track slabs,
- track along St. John Paul II street is designed in a ballastless technology on monolithic concrete slabs.



COMPREHENSIVE SOLUTIONS FOR TRACK CONSTRUCTION

SIKA SOLUTIONS

Both in the case of precast concrete slabs and monolithic slabs, elastic, continuous fixing of the rails in the channels with **Icosit® KC 320/50** material are used. The same material was used to fill the gaps between the concrete track slabs.

Icosit® KC 320/50 is a flexible polyurethane-based material with high resilience, characterized by excellent insulating properties, eliminating the formation of stray currents and thus corrosion of nearby steel elements. **Icosit® KC 320/50** reduces noise and absorbs vibrations. It is intended for manual application.

Icosit® KC-330 Primer is a one-component, ready-to-use, self-curing polyurethane primer to prepare the substrates and improve adhesion. **Sikadur®-53** epoxy resin is used for priming on wet substrates or when it is necessary to use it on fresh concrete.

The entire system is complemented by **Icosit® KC 330 FK** - a solvent-free, flexible, two-component polyurethane-based adhesive designed for track works to glue concrete, rubber and other cell blocks to the chamber of the rail.





PROJECT PARTICIPANTS

Owner: Miejski Zakład Komunikacyjny w Toruniu Sp. z o.o.

Investor: Miejski Zakład Komunikacyjny w Toruniu Sp. z o.o.

Project: BALZOLA Polska Sp. z o.o. /BPK (D&B)

General contractor: BALZOLA Polska Sp. z o.o.

Sika Poland: Bartosz Gądecki

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