



SIKA AT WORK

CONSTRUCTION OF TRAM TRACKS IN A KRAKÓW FAST TRAM TUNNEL: RONDO MOGILSKIE – DWORZEC GŁÓWNY - POLITECHNIKA

SIKA TECHNOLOGY: Icosit® KC

BUILDING TRUST



NEW TRAM TRACKS IN A 1,4 KM LONG TUNNEL FOR KRAKÓW FAST TRAM NETWORK

KRAKÓW FAST TRAM IS A DEVELOPING FAST TRAM NETWORK IN KRAKÓW THAT ALLOWS FOR QUICK AND SAFE PASSAGE OF TRAMS. IT CONSISTS OF SEVERAL MODERNIZED EXCLUSIVE TRAM TRACKS WITH ABSOLUTE PRIORITY ON CROSSINGS AND AN UNDERGROUND 1,4 KILOMETERS LONG TUNNEL UNDER THE RAILWAY STATION WITH TWO UNDERGROUND STOPS. THE CONSTRUCTION OF THE TUNNEL, WHICH TOOK PLACE IN 2007-2008, INCLUDED THE CONSTRUCTION OF 2480 METERS OF TRAM TRACKS AND 236 METERS OF RAMPS.



PROJECT REQUIREMENTS

The construction of tram tracks in a tram tunnel required high mechanical resistance and long durability. It was necessary to ensure a high precision of the alignment of track as well as electrical isolation and reliable protection from the negative influence of the tram traffic such as vibration and secondary noise. Additional requirements were short term execution of tram track construction and low Life-Cycle costs.

DURABLE RAIL FIXING SYSTEM WITH A PROPERLY SELECTED VIBROISOLATION

SIKA SOLUTIONS

The optimal pace of work was achieved due to comprehensive rail fixing system by Sika. **Icosit® KC** as a hand/machine application material for trackworks and prefabricated track slabs allowed for a significant acceleration of works.

Sika delivered full Light Mass Spring System consisting of prefabricated track slabs with Embedded Rail System with approx. 70 tons of materials from **Icosit® KC 340/45** serie which located on the properly selected vibroisolation **Sylomer®** mats (approx. 5000 m²) providing protection against vibration and secondary noise.

Thanks to high quality of **Icosit® KC** system it was possible to fulfill all requirements including high mechanical resistance, long durability of tram track, low Life-Cycle costs, high precision of the alignment of track, electrical isolation required speed of vehicles, passenger comfort and effective vibration insulation which ensured a reduced impact of tram traffic on the environment.





PROJECT PARTICIPANTS:

Owner: Kraków City

Investor: Agencja Rozwoju Miasta Kraków

Project: MP Mosty

Main Contractor: Budostal 5, ZUE

Sub-contractors: NTB

Sika Poland: Maciej Muszyński

Our most current General Sales Conditions shall apply.

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



SIKA POLAND SP. Z O.O.
ul. Karczunkowska 89
02-871 Warszawa

Contact:
Tel: +48 22 31 00 700
Fax: +48 22 31 00 800
www.sika.pl

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