

# Krymsky Bridge, Moscow (Russia)



## Project description

The Krymsky Bridge was built in 1938 as the first fixed crossing over the River Moscow in the area, superseding the temporary floating bridges. Built on caisson foundations with a hanging deck of 262.5 m in length, 38.4 m in width and using approximately 10,000 t steel, the bridge has a unit weight distribution of approximately 1 t/1 m<sup>2</sup>, which is unique for a bridge like this.

Located on the Sadovoe Ring Road right next to Gorky Park, it is also one of the busiest bridges not only in Moscow, but in the whole Russia.

In 2001, during a capital reconstruction, the deck had to be repaired, pavement replaced along expansion joints and other works, with one of the limitations being keeping the traffic flowing.

This has required a special technical solution and construction approach.

## mageba scope

To facilitate quick and as much as possible uninterrupted replacement, the TENSA®FLEX RC joints have been chosen, allowing to undertake replacement works lane-by-lane with minimum traffic disruption.

After successful reconstruction, the joints on the heavily trafficked bridge served whole 15 years, before some parts had to be replaced. Thanks to the already installed complete RC joint, this operational was much easier and quicker to perform, as these joints are specifically designed for such tasks.

mageba Russia had joined forces with the authority (GorMost) to provide a correct and efficient solution for the situation, letting the bridge continue its service for the capital.

## Highlights & facts

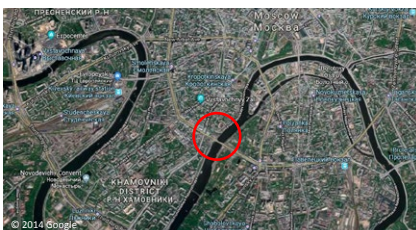
### mageba products:

Product:	TENSA®FLEX RC200 finger joints
Features:	Quick-replacement joints under traffic
Installation:	2015 (2001)

### Structure:

Location:	Moscow
Country:	Russia
Main span:	168 m
Length:	688 m
Completion:	1938
Owner:	Moscow City
Contractor:	SSK Ltd.
Engineer:	GorMost, SBU
Architect:	A. Vlasov (1935)

Krymsky Bridge is a part of the Sadovoe Ring Road of Moscow, located near the renowned Gorky Park



TENSA®FLEX RC200 joint installed in 2001



TENSA®FLEX RC200 joint installation in 2015

