

Sika at Work



Bridge Strengthening

Tauern Highway, Kaernten, Austria

Structural Strengthening: **Sika® CarboDur® M Plates**





Project Description

Structural Strengthening of the highway bridge L23, Tauern highway A10, near Spittal, Austria.

Project Requirements

Strengthening system for flexural strengthening of the bridge both along and across the bridge direction.

Project Participants

Sika Organisation: **Sika Austria GmbH**, Dorfstrasse 23, A-6700 Bludenz-Bings

Main Contractor: **Asfinag Autobahn Service GmbH Ost**, Modecenterstrasse 16, A-1030 Vienna

Sub-Contractor: **ALPINE Bau GmbH**, Alte Bundesstrasse 10, A-5071 Wals bei Salzburg

Sika Solution

The **Sika CarboDur** system was used to strengthen the bridge in flexure, using **CarboDur M1214** plates (total 7'000m) and **Sikadur-30** adhesive. The **Sikadur-30** adhesive was used to repair small irregularities in the concrete surface and to bond the **CarboDur M** plates to the substrate. Due to the location of the system under the bridge, no additional protection was necessary.

Sika Services AG

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