

SIKA AT WORK REPLACEMENT OF SWITCHES AND TRACKS, MILCHBUCK, ZURICH, SWITZERLAND

RAIL FIXING: Sika Icosit[®] KC 340/45



BUILDING TRUST

MILCHBUCK, ZURICH, SWITZERLAND





PROJECT DESCRIPTION

The Milchbuck Zurich is an important traffic junction in Zurich, where different tram lines intersect and it is also possible to switch to the bus network. The track system was replaced in May 2019.

REQUIREMENTS / CHALLENGES

Nowadays, the tramway tracks are fixed and/or poured underneath with an elastic material to achieve a dampening effect. The resulting attenuation not only reduces noise emissions, extends service life, reduces maintenance costs, but also protects the rolling stock. The casting compounds could be applied by hand or machine. In this project, the casting compound was machine applied on the object.



SIKA SOLUTION

To achieve the necessary performance during placing the PU-grout under the track, the Sika Icosit® KC was installed by hand in addition to the complementary installation by the pump device, so that the tram operation could be started the following morning without delay or disruption. The combined installation capacity was approx. 500 kg/h. The machine application has many advantages such as: speed, logistics, less effort for employees, protection of the environment.

With the help of the machine application, higher potting rates are possible. The renovations often take place during operation; the machine application makes it possible to carry out larger projects in only one night. With the machine application, barrels of ~180 kg are used instead of 10 kg containers, which enables leaner logistics.

With manual application, it is usually necessary for employees to apply the casting compound in a stooped position, as the tracks are at ground level. With the mechanical application it is possible that the employee can install the casting compound in an upright position.

By using barrels instead of 10 kg containers, much less waste is produced – this is an additional benefit.

PROJECT PARTICIPANTS:

Site Management: Application: Sika organization:

VBZ (Verkehrsbetriebe Zürich) SikaBau AG Sika Schweiz AG

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