



SIKA AT WORK

REHABILITATION OF THE KLOOSTERVESTE CENTER ASSEN, NETHERLANDS

STRENGTHENING: Sika CarboDur®, Sika® CarboShear L

BUILDING TRUST





PROJECT DESCRIPTION

Kloosterveste is the new circular center in the district of Kloosterveen in Assen, Netherlands, comprising 11,000 m² of retail space, homes and non-commercial facilities such as schools, health and sports areas.

PROJECT REQUIREMENTS

During the construction phase it was decided to redesign the apartment layout above part of the retail space which necessitated modifications to the structure. Housing units were merged requiring several breakthroughs in the concrete construction. These breakthroughs weakened the structural integrity of the building and an innovative solution was needed to restore strength without the need for new concrete elements or other significant structural measures.

SIKA SOLUTION

Sika CarboDur[®] and Sika CarboShear[®] carbon reinforcement slats proved the ideal way to restore structural integrity without reducing the effective space or impeding the new layout.

At locations of the newly created openings, the concrete structure was reinforced with special steel strips and Sika CarboDur[®] CFRP laminates. These were bonded to the concrete structure using Sikadur[®]-30 epoxy adhesive. The Sika CarboDur[®] and Sika CarboShear L profiles were applied on concrete floors, ceilings, walls, and throughout the openings.

PROJECT PARTICIPANTS

Owner: Gemeente Assen

Consultant: IOB

Gen. Contractor: BAM Utiliteitsbouw B.V.

Applicator: Sealteq Group / Frans Nooren B.V.

Sika representative: Michiel Bos, Sika Nederland B.V

Our most current General Sales Conditions shall apply.
Please consult the Data Sheet prior to any use and processing.



SIKA SERVICES AG

Tüffenwies 16
CH-8048 Zürich
Switzerland

Contact

Phone +41 58 436 40 40
Fax +41 58 436 41 50
www.sika.com

