

HaTelit® reinforcement prevents crack propagation at Rosenstrasse (K57), Ochtrup, Germany



Project/ Location: Ochtrup, Rosenstrasse (K57), Germany

Client: Municipality of Steinfurt

Contractor: Reef, The Netherlands

Constructed: 1996

Product: HaTelit® 30/13

Report: 2003

Ochtrup's Rosenstrasse takes traffic directly to the Dutch/German border and therefore carries an especially high volume of heavy trucks.

The cracked wearing course was replaced as part of reinstatement work in May 1996. The design involved milling off and renewing 50 mm of the existing surfacing.

Once exposed by the milling, the underlying road construction presented some serious problems. Further investigations revealed that the basecourse

and roadbase layers were severely cracked and in a very poor condition.

For reasons of cost and time it was decided to lay reinforced asphalt directly on the existing basecourse. The reinforced layer would prevent the existing cracks from propagating through the new surfacing and increase the maintenance interval.

The basecourse was sprayed with bitumen emulsion at a specified rate. HaTelit® 30/13 was placed on top of this and then overlaid with 50 mm of 0/11 asphaltic concrete surfacing.

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Six years later, as part of the follow-up procedure, HUESKER asked the district administrator of Steinfurt what it now thought of the project.

The engineer responsible for the road provided this statement dated 05.06.02: "...I am pleased to inform you that the carriageway reinstatement works involving HaTelit® 30/13 as asphalt reinforcement, carried out on district road K57, Rosenstrasse have proved entirely satisfactory. Up to present, placing the asphalt reinforcement under the 0/11 asphaltic concrete surfacing has prevented any cracks from appearing in the asphalt-concrete road surface. At the time of the works, this method was adopted to avoid having to take up the cracked basecourse and roadbase..."

Today the road is still in perfect condition. HaTelit®-reinforced asphalt has proved itself in every respect.

Patented: US-Patent No. 6,503,853
European-Patent No. 0956 392



Condition of roads after milling of surface 1996.



Condition of roads 2003.



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