



Dutch Fiber

STRONG AS STEEL

Asphalt reinforcement with AS-PE aramid fibres on a roundabout of the N711 in the Flevopolder

On behalf of the Province of Flevoland, Schagen Infra carried out major maintenance on the N711 Kamperhoekweg / Visvijverweg from April 3 to 26, 2023. The old asphalt pavement showed defects, necessitating its replacement. Additionally, the roundabout no longer met the latest national design guidelines, requiring a major renovation.

They replaced the entire asphalt structure of the existing roundabout with AS-PE aramid fibre reinforced asphalt (SRA Reinforced Asphalt). Schagen Infra's SRA Asphalt is suitable for heavily loaded pavements, especially for areas with twisting and heavy traffic where the subgrade has low bearing capacity. This also includes the connections to Kamperhoekweg and Visvijverweg. The new roundabout has a wider lane in the middle, intended for traffic that takes too long to navigate the roundabout lane.



Sustainable Work:

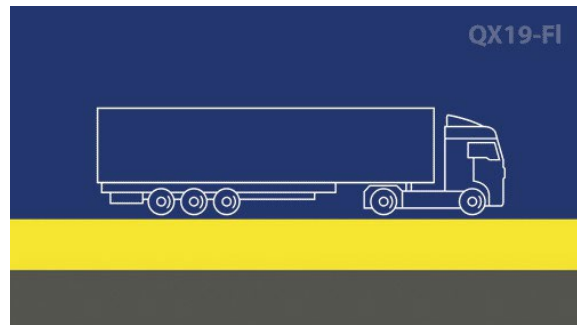
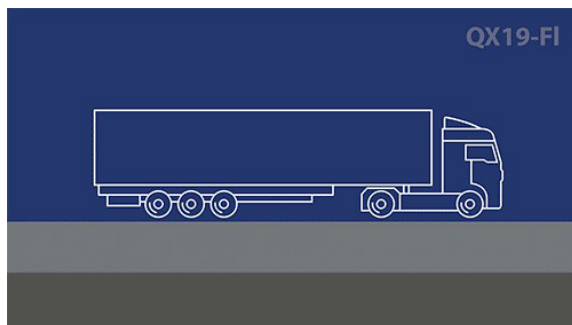
An important aspect of the work carried out is sustainability. The Province of Flevoland places great importance on a circular approach. At Schagen Infra, we also find this important. This was reflected in the use of a sustainable concrete mix in this project, with an MKI score of €8.50. This represents a 70% reduction compared to a regular concrete mix. MKI stands for Environmental Cost Indicator and summarizes the environmental impact of a material or product in a score. This score is expressed in euros—the lower the score, the better it is for the environment. Additionally, all machines used on the project operated on 100% HVO diesel. This is completely fossil-free diesel and reduces CO2 emissions by 90% compared to regular diesel.

Project in numbers:

Asphalt	1,585 tons
AS-PE Polyolefin / Aramid fibres dosage: 400 kg	



PROVINCIE FLEVOLAND



Dutch Fiber Trading B.V. Netherlands

info@dftrading.eu www.dftrading.eu