

Dostal Road Construction B.V. Vorden ACT - Asphalt Plant Twente.

Commissioned by the municipality of Berkelland, Dostal Wegenbouw carried out work on Twistdijk in Gelselaar. Twistdijk is being provided with a new foundation (road substructure). Existing materials are being reused in this process. By mixing these materials with cement and bitumen (binder), a stable foundation for the new road is created.



A new asphalt layer reinforced with **AS-PE aramid fibres**, which provide a three-dimensional reinforcement to the asphalt mix, will be applied over this foundation.



The load on agricultural roads is often high, with agricultural vehicles, milk transport by trucks, and manure transport regularly causing significant damage to these narrow roads.



The roadside will be reinforced with geotextile over a distance of 400 meters. This will make the slope of the roadside more stable after the work is completed.



Length of road: approximately 1000 meters
Width of road: 3.0 meters. Asphalt layer thickness: 7 cm. Asphalt mix: 600 tons.
Added: 300 kg AS-PE Aramid fibers
1 ton of asphalt mix contains approximately 18 million aramid fibers.

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