

White topping reinforced cycle path N355

Stronger, thinner and more circular cycle paths with TwistR®

■ PROJECT

Along the provincial road N355 between Leeuwarden and Tytsjerk, the existing cycle path has been strengthened and widened using the innovative white topping technique. Schagen Infra applied a thin concrete layer, reinforced with TwistR® synthetic macro fibres supplied by Dutch Fiber Trading.

The province of Friesland was looking for a sustainable and future-proof alternative to traditional asphalt pavement. This solution has delivered a strong, slim and low-maintenance cycle path surface that contributes to a longer service life and a lower environmental impact.

■ THIN, STRONG AND CIRCULAR

The white topping is applied directly over the existing asphalt pavement. Thanks to TwistR® fibres, the concrete gains a high tensile and flexural strength while its weight remains limited. This means a thin concrete layer is sufficient, resulting in:

- lower material use
- less CO₂ emissions
- efficient execution
- long service life

The concrete used is, moreover, 100% reusable, which makes this solution an excellent fit within circular infrastructure ambitions.

■ EUROPEAN FIRST

The cycle path towards Tytsjerk is a European first: this is the first time a cycle path has been constructed using fibre-reinforced white topping concrete. The project serves as an example for future applications of sustainable concrete pavements within cycling infrastructure, both nationally and internationally.

WOULD YOU LIKE MORE INFORMATION? PLEASE GET IN TOUCH

Dutch Fiber Trading B.V.

Kwelder 3
1713 GN Obdam
The Netherlands

Tel: +31 (0)226 – 700 292

E-mail: info@dutchfibertrading.com
www.dutchfibertrading.com