

# Rehabilitating Roads the Smart Way—with Tensar® Glasstex® R60N+C



## Rehabilitation of Mohamed Bin-Khalf Al Mazrouei Road

Dhafra Region, Abu Dhabi, UAE

### CLIENT'S CHALLENGE

The client needed to extend the service life of the existing pavement whilst controlling costs, reducing future maintenance frequency, and meeting Abu Dhabi's sustainable infrastructure objectives. Rehabilitation was preferred over full reconstruction to preserve existing assets and optimise lifecycle value.

### TENSAR SOLUTION

Tensar® Glasstex® R60N+C asphalt reinforcement was installed as an interlayer between the existing pavement and new asphalt overlay to control reflective cracking and reduce maintenance costs. The solution extended pavement service life, minimised future interventions, and delivered a durable, cost-effective rehabilitation without full reconstruction – preserving existing infrastructure and reducing whole-life costs across Abu Dhabi's Dhafra Region.

## BENEFITS

- **Delays reflective cracking**, extending pavement service life
- **Reduces lifecycle costs** through fewer maintenance interventions
- **Lowers carbon footprint** by minimising repeat rehabilitation works
- **Maximises long-term** infrastructure value

**Tensar**®  
A Division of CMC

### PROJECT DETAILS

Application  
**Asphalt Reinforcement | No. 552**

Constructed in  
**2024**

Client  
**DMT – Al Dhafra Municipality**

Consultant  
**Altorath International Engineering Consultants LLC**

Contractor  
**City Construction General Contracting LLC.**

Product  
**Tensar® Glasstex® R60N+C**



Asphalt chippings evenly spread on glasstex before paving.

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