



Tensar[®]

**ROADS AND
PLATFORMS**

Tensar TriAx geogrids incorporated into aggregate created mechanically stabilised layers, delivering pavements capable of supporting anticipated trafficking loads.

Stable connection

Spectra Pavement Optimisation delivered economical pavement designs for a link road between Sheikh Khalifa Street with the Khatam Al Mualaha Border Post and Road-E99.

CLIENT'S CHALLENGE


Following discussions with Tensar, the Federal Ministry of Infrastructure Development specified a mechanically stabilised pavement for the new road. Contractors Top Link Contracting and General Transport and Fala Road Contracting, along with consultant Idoresse, needed cost-effective designs that met these requirements and approached Tensar for a solution.

TENSAR SOLUTION

Tensar's design employed TriAx geogrids incorporated into unbound granular material, creating mechanically stabilised layers, delivering pavements capable of supporting anticipated trafficking loads. Granular layers were thinner than non-stabilised designs, saving time and money during construction, as well as reducing maintenance requirements and increasing pavement life. Tensar also provided site assistance and trained the contractors' engineers in how to install geogrid correctly.

Fujairah link road

Pavement optimisation

 Fujairah,
United Arab Emirates

BENEFITS

280,000m²
of roads built using
Spectra pavement
optimisation

**Faster and more
economical
construction**

Saving money
during construction
and over the road's
lifetime

REF TEN392

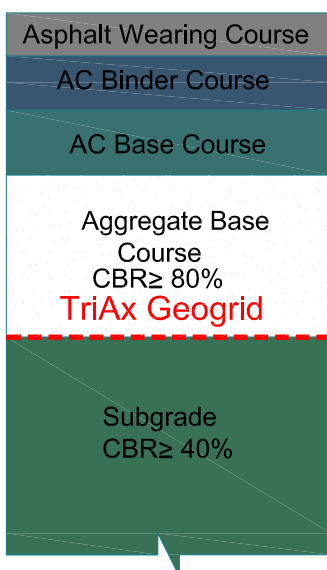


Granular layers were thinner than non-stabilised designs, saving time and money during construction and increasing pavement life.

PROJECT BACKGROUND

Originally, the Federal Ministry of Infrastructure Development had planned to specify conventional road pavement designs but, after demonstrating the cost and time savings offered, Tensar convinced it to specify generic mechanically stabilised pavements for the project instead.

Following award of the contracts, contractors and consultants approached Tensar to provide pavement designs, with the aim of meeting the client's requirements and reducing construction costs.



Tensar's pavement design was a cost-effective alternative to traditional approaches, using fewer materials without compromising on performance; meeting the client's requirements.

Main contractors:

Top Link Contracting and General Transport

Fala Road Contracting

Consultant:

Idoressa

Client:

Federal Ministry of Infrastructure Development

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