



TensarTech® TW3 Smooth Earth Retaining System for Walls

THE CHALLENGE

TensarTech® TW3 Smooth has been developed to offer an alternative face finish to our current TW3 split face finish. TW3 Smooth now gives another option to specifiers and architects looking for a smooth concrete finish whilst still benefiting from reinforced soil technology. This is just one of several facing options engineers have when specifying TensarTech Earth Retaining Systems.

INTRODUCING TENSARTECH® TW3 SMOOTH

TensarTech® TW3 has been incorporated into many UK projects, from bridge abutments and highway retaining walls through to supermarket developments and housing schemes. TensarTech TW3 Smooth face has the same dimensions as current TW3 blocks and is available in a choice of colours. As with TW3 split face blocks, the TW3 Smooth builds to a near vertical face angle.

THE ADVANTAGES OF TENSARTECH® TW3 SMOOTH

- ▶ Smooth finish concrete blocks available in a choice of colours (standard colours are Flint and Yorkstone).
- ▶ Rapid, economical construction.
- ▶ Durable and maintenance free.
- ▶ No specialist construction skills are required.
- ▶ Proven, independently certified system.

TENSARTECH® TW3 SMOOTH SYSTEM INFORMATION

The System comprises of TensarTech® TW3 Smooth facing blocks, Tensar uniaxial geogrids, Tensar polymer connectors can when requested include an indemnified design that includes construction drawings and construction advice on-site via our UK civil engineering team. Although Tensar does not offer installation services we can supply a list of installers who work countrywide on Tensar projects.



Near vertical attractive hard faced finish.

TENSARTECH® TW3 SMOOTH TECHNICAL DATA

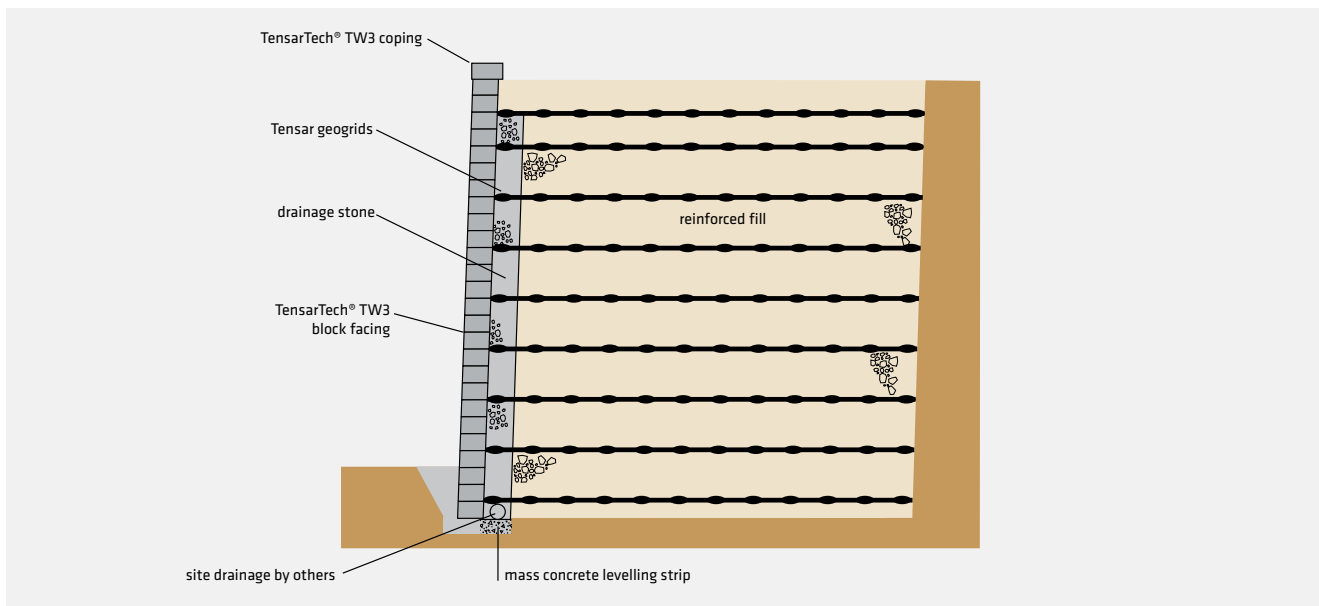
- ▶ Delivery - Facing blocks are delivered palletised on self off-loading equipment.
- ▶ Block dimensions - 200mm x 455mm x 305mm (HxWxD).
- ▶ Block weight 36.5kg.
- ▶ Face area per block - 0.091m², 11 blocks per m².

CASE STUDY - SUPERMARKET, BARGOED, SOUTH WALES THE CHALLENGE / PROBLEM

Split level supermarket site where a variety of retaining walls were required to divide land use and access areas. The chosen system needed to be installed to a near vertical profile by the local contractor to tight deadlines.

THE SOLUTION

TensarTech® TW3 Smooth was chosen as an economic retaining solution, installed on a tight access site. A total of 120m² was installed with a maximum retained height of 3.5m over a linear length of 75m. TensarTech TW3 Smooth was chosen due to minimal foundations and the advantages of a dry laid system with no mortar required, which meant there was no curing time or problems with wet weather working. The wall was backfilled using standard construction plant and locally available granular fill. A drainage layer was included immediately behind the TW3 Smooth face to ensure that any groundwater and surface water flows are adequately catered for.



Tensar®

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