



TensarTech® SlopeLoc™ Earth Retaining System for Hard Faced Slopes

THE CHALLENGE

By specifying TensarTech® SlopeLoc™ System, engineers gain a hard facing which provides an aesthetically pleasing concrete finish whilst stability of the structure is provided by the geogrid reinforced soil mass. This is just one of the several facing options engineers have when specifying TensarTech Earth Retaining Systems.

INTRODUCING TENSARTECH® SLOPELOC™

TensarTech® SlopeLoc™ is designed for the construction of reinforced soil walls with a 68° face angle using an attractive concrete ribbed face available in a variety of colours. A variety of wall heights can easily be achieved, from low height landscaping applications to retaining walls used in industrial, commercial and highway structures.

THE ADVANTAGES OF TENSARTECH® SLOPELOC™

- ▶ Potential to use a variety of site won granular fill types including DOT Class 61/6J.
- ▶ Light weight facing blocks, weighing 16.5kg each.
- ▶ Security of positive connection between facing block and geogrid reinforcement using Tensar's high efficiency polymer connector.
- ▶ Supplied as part of a Design and Supply, TensarTech® Earth Retaining System services can include detailed design, professional indemnity, construction drawings and construction advice during installation on site.
- ▶ All components are UK manufactured and supplied as a package ready to install.

TENSARTECH® SLOPELOC™ SYSTEM INFORMATION

The System comprises of TensarTech® SlopeLoc™ facing blocks, Tensar uniaxial geogrids, Tensar polymer connectors supplied 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.



Positive high efficiency connection between TensarTech® SlopeLoc™ facing and Tensar geogrid.



Attractive sloping hard faced finish.

TENSARTECH® SLOPELOC™ TECHNICAL DATA

- ▶ Delivery - Facing blocks are delivered palletised on self off-loading equipment.
- ▶ Block dimensions - 125mm x 300mm x 245mm (HxWxD).
- ▶ Block weight 16.5kg.
- ▶ Face area per block - 0.0375m², 26.67 blocks per m².

CASE STUDY - BARRETT HOMES, BOGNOR REGIS, WEST SUSSEX THE CHALLENGE / PROBLEM

Site profiles for a new housing scheme required a retaining structure to be constructed using an aesthetical pleasing face suitable for residential housing. The chosen system needed to be installed by the local contractor to tight deadlines.

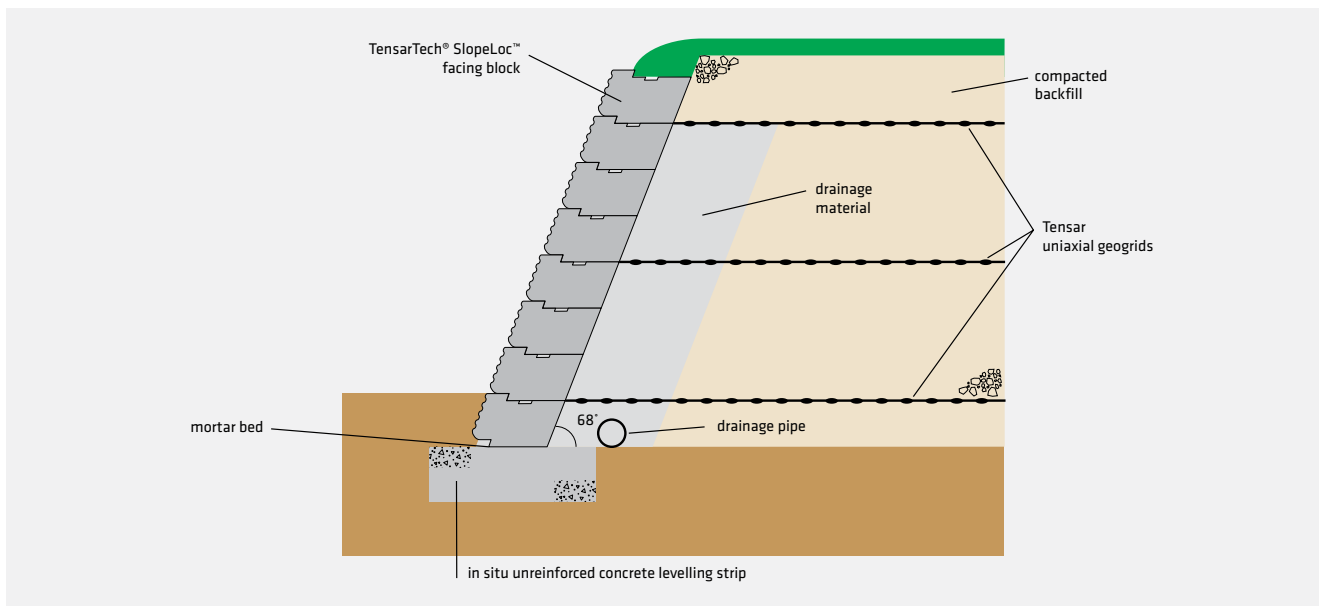
THE SOLUTION

TensarTech® SlopeLoc™ was chosen due to the rapid construction that requires a minimal foundation. A total of 100m² was installed with a maximum retained height of 1.6m over a linear length of 60m. TensarTech SlopeLoc was chosen due to the minimal foundations and the advantages of a dry laid system with no



Mortar free construction of modular facing, rapidly installed.

mortar required, therefore no curing time or problems with wet weather working. The wall was backfilled using standard construction plant and locally available fill. A drainage layer is included immediately behind the SlopeLoc face to ensure that any groundwater and surface water flows are adequately catered for.



Tensar®

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