



Reminder: this bulletin is intended for anyone who uses our “Tensar” software (TensorPave, TensorSoil & TensorSlope), as well as anyone who distributes the software, or provides codes for the software to external users... in fact anyone with an interest in our software.

TensorSoil Version 2.09.05 was released on 19 November 2018 for general use. A new version of this program (Version 2.09.06) has been released today with a few small but important updates:

- Print-out header now gives the full version number (this change will be made for all programs).
- Solves a problem with the upper group of geogrids when used with the BS8006 bank-seat module.
- Solves a problem with adding surcharges in certain situations.
- Adjusted the connection strength parameters for the SierraScape facing systems when used in the Demo82, NCMA and 2-part wedge methods in WH.
- The gabion facing may now be used with adjustable width (W_u = dimension from front to back), with maximum of 1.0m and minimum of 0.5m. The mass of the gabion is now controlled by its unit weight in kN/m³, and the A_u value remains in kN/m, so this should be adjusted if a narrower gabion is used. The default for a 1.0m wide gabion is 12.5 kN/m, and if W_u is reduced, then this value goes red in order to remind the user that this parameter might need adjustment. See image below.
- Using tab to navigate around input values: we had a special request to improve the way the tab key is used to move between input values in the geometry control area. Adjustments have been made such that each time tab is clicked, the highlight moves to the next input value.
- The “Facing system and design method” form has a control “Show details of facing”. Details are only available for the Tensar American Systems, so this control has been removed for all facing systems which do not have details available (compare the two images below).

Version 2.09.06 of TensorSoil may be downloaded from this link:

https://tensar.sharepoint.com/:u:r/Marketing/EH/Tensar%20Software/TensarSoil/TensarSoil_2_09_06.zip?csf=1&e=xKVBqZ

Thanks to Tristan Pineda, Justine de Jesus and Jerikah Vivar (all from FW Nicol in Manila), Willie Liew, Mariana Stafford, Bryant Tan, John Buckley and Chris Dibbs for informing me about the various issues mentioned above.

If you have any questions about this program or its use, then please contact me.

Facing system and design method

Standard Facings

Area in which project is to be constructed:
SE Asia

Check any requirements from the following:

Seismic loading

Bank seat loading

Design Method:
Show facings for this method:
Bautechnik Method

Enter the range of slope face angles that can be considered for this project (degrees to horizontal) =

Minimum:

Maximum:

The range of facings that may be suitable will be shown.

Dewsbury system

Select

Wraparound

Bagwork

Formwork

Select

Green Bag System

Select

Steel Mesh

Steel Mesh Panel (SMP)

Select

Gabion

Selected

Chosen facing: Gabion

Slope face angle (degrees to horizontal) =

Set default angle

Total face height m

Spacings to be a multiple of: m

Minimum: x Maximum: m

Extra grid length to form connection: m

Percent plan coverage of grids:

Max. number of gabions below first grid:

Gabion width, length, height (m):
W_u L_u H_u

Unit weight of filled gabion (kN/m³):

Dist to CoG D_u m

Gabion interface parameter A_u kN/m

Gabion interface parameter λ_u deg

SET

OK

TensorSoil: gabion facing input with adjustable basket width (Wu)

Facing system and design method

Tensor American Systems

Area in which project is to be constructed:
SE Asia

Check any requirements from the following:

Seismic loading

Bank seat loading

Design Method:
Show facings for this method:
Bautechnik Method

Enter the range of slope face angles that can be considered for this project (degrees to horizontal) =

Minimum:

Maximum:

The range of facings that may be suitable will be shown.

Mesa® Retaining Wall System

Connector: Std

Batter: Near vert

Std

DOT

Selected

Olympia Retaining Wall System

Horizontal blocks only

1 vertical for 2 horizontal

2 vertical for 1 horizontal

Select

ARES® Retaining Wall System

Full height panels

Incremental panels (5x5)

Incremental panels (5x9)

Select

Custom

grids laid between blocks

cast-in tails

Select

Temporary Wall

with fabric wrap

with BX and fabric wrap

Select

Chosen facing: Mesa Std Connector std batter

Slope face angle (degrees to horizontal) =

Total face height m

Spacings to be a multiple of: m

Minimum: x Maximum: x

Extra grid length to form connection: m

Percent plan coverage of grids:

Max. number of blocks below first grid:

Block width, length, height (m):
W_u L_u H_u

Weight incl. infill G_u kg

Dist to CoG D_u m

Block interface parameter A_u kN/m

Block interface parameter λ_u deg

Show details of facing

SET

Cancel

TensorSoil: Facing system and design method form no longer has control "Show details of facing" if the facing details are not available