Tensar software FAQ's (frequently asked questions): Item 24



Program	TensarSlope
Program Topic	TensarSlope Shown issues with TensarSlope This FAQ document provides information about known issues when using the program TensarSlope. Unfortunately, at the current time we are not able to fix these issues, so this Ad document provides information for users of TensarSlope so that they are aware of these Issues and provides work-arounds or alternative procedures wherever possible. If muscre of TensarSlope notice other issues, then please inform: mike.doble@cmc.com TensarSlope TensarSlope TensarSlope notice other issues, then please inform: mike.doble@cmc.com TensarSlope notice other issues, t
Issue 1 Solution 1	Image: Control of the second seco

Issue 2	Access violation error message generated when closing the program via the file menu after analysis, ie. File \rightarrow Close
	120221 - GG Dhoho Section Type 7 - Static 1.5NC_FG = 1ADJ2 - Davy.S 🗙
	Access violation at address 00AA9566 in module 'TensarSlope.exe'. Write of address 0000B021.
	OK
Solution 2	This access violation does not seem to be of importance because it occurs after the file has been saved. Avoid using File \rightarrow Close to close the program. Close using "X " top right corner of desktop (close program) or top right corner of drawing area (close the file but leave the program open) or use the Exit icon (close program).
Issue 3	New feature "Attach to facing" in the cursor control window does not seem to work:
	Cursor X 138.000 Y 93.000 Image: Income state Step 1.000 Snap 0.500 Move Angle: Income state 1.000 Degrees
Solution 3	This feature was added very recently and does not seem to work. Attach to the facing by placing the cursor near the line, then right click and select "Facing" from the menu which
	appears: Section Type 7 - Static 1.SNC FG = 1ADI2 - Davy.SLP enter unit costs. Overalls Attach cursor to line Facing Change line Delete line Delete line 1. Reinforced fill 1. Rei
	make it easy to attach to the required line.

	ogrid strength in the o	ted results, calculations	, this reducti 5. It also doe	on has not l es not appea	been applie ar in the pr	ed to the permissi int-out.
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	Method: Overall factor of safety	Partial	factors:	Geogrids:	_	
Dr	esign Temperature: 30°C	extrap	olation of test results:	f _m 1.000		
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				e 1.200	Norn	mal coverage of grids (%)
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		1.070	1.000	1.070	1.100	
	installation damage		, so it is sug	gested that	a manual a	adjustment is ma
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This can be seen in the view below where the surcharge is now back on the top edge of the reinforced soil block as it should be. The green line indicating the ground surface is still in the wrong place, but on clicking anywhere inside the geometry window, this will correct itself.



Issue 6 (continued)	Following this, the geometry was unlocked and "Method 2" was activated by checking "Use Forids" via Calculation \rightarrow Forids \rightarrow Set Forids as shown below, with Forids set to 1.3.													
()	Set FGrids — — X													
	Set Fgrids to apply a constant factor of safety to reinforcement loads. Reinforcement loads are set according to the factor of safety, not according to the overall safety factor.													
	Note that this may reduce to zero the proportion of the soil's strength required to maintain stability, resulting in a very large F. This will be indicated by F = 100.													
	F grids 1.3 IV Use Fgrids													
	✓ ОК													
	This can also be set via the "Analysis method" window as shown below.													
	Analysis Method Stability analysis using the method of sliges with overall factor of safety applied to soil chear													
	Select approach for analysis: Stability and reinforcement strength. Analysis to determine overall factor of safety, with option to apply a defined partial factor to reinforcement strengths.													
	C FHWA													
	C Eurocode 7 Design Approach 1 Combination 1													
	Soil strengths defined by peak values by default													
	Partial factors etc for this method: $tan(\phi')$ γ_{ϕ} 1.000 Self weight of soil slice γ_{c} 1.000													
	C Eurocode 7 Design Approach 2 Cohesion c' γ _c 1.000 Live loads γ _Q 1.000													
	Undrained strength Su γ_{su} Dead loads γ_{G} 1.000													
	Seismic loads γ_{A} 1.000													
	C BS 8006:1995 Sliding resistance γ_{PO} 2.000 regeneration safety F 1.000 Sliding resistance γ_{PO} 0.000 Overall factor of safety fm 1.000													
	\bigcirc BS 8006-1:2010 Reinforcement strength γ , [1.000													
	C Eurocode National Annexes C Eur													
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	I✓ Use Fgrids													
	C Seismic ✓ OK													
	After setting this value and locking the geometry, the same circle as above has been analysed again as shown in the view below. It can be seen that the method has now changed to "Overal													
	safety factor method with Fgrids; Fgrids set to 1.3" in the information line above the geometry.													
	C:\Users\MDobie\Desktop\120221 - GG Dhoho Section Type 7 - Static 1.5NC_FG = 1ADJ2 - Davy.SLP Cost index = 607.1; click on cost data icon to enter unit costs. Overall safety factor method with Fgrids ; Fgrids set to 1.300. Soil strength defined as peak.													
	Surfaces to be analysed: average depth >2.000 m													
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C	Current/1	1.24	6	165.000,11	16.500	42.074	126.166,100.308	167.277,74.487	1 point	167575	187183	22558	x1=167.50	00, y1=74.	50		
	Last	1.24	6	165.000,11	16.500	42.074	126.166,100.308	167.277,74.487	1 point	167575	187183	22558	x1=167.50	00, y1=74.	50		
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	Files of type: Slope files (*.SLP)
Solution 8	There is a bug in TensarSlope when using the open file command. This issue cannot be fixed
	at the current time, so it is necessary to use an alternative method or work-round to open
	existing saved files. There are a number of ways a saved file may be opened:
	(1) Locate the required .SLP file using Windows Explorer, and double-click on the file. This will
	open the form shown below "Open existing file", then on confirming "Yes", the program will open with the selected file activated
	Open existing file ×
	Do you want to open file C:\Users\P01000~1\ONEDRI~1\Desktop\Wall
	4 - 3.011 - 130KF8 KE320 311 M02.3LF;
	<u>Yes</u> <u>N</u> o
	(2) With the TensarSlope desktop open after a fresh start, open one of the saved files listed in
	"Open Slope file" icon or the File \rightarrow Open command to open the "Open" dialogue box.
	Open a recently used file:
	rs\P01000~1\ONEDRI~1\Desktop\Wall 4 - 5.0m - 150kPa RE520
	P01000191\OneDrive - CMC\Desktop\Wall 4 - 5.0m - 150kPa RE5
	Wall 4 - 5.0m - 150kPa RE520 9m MD.SLP
	D 15491 35m high slope with rate.SLP
	Hijau-RW 03-H = 27.61 m-PT.Amman-EQ 0.45 Phi 40-85 deg-(3
	(3) In the unlikely event that both (1) and (2) are not possible, open the TensarSlope drawing interface using "Make a new file", then make a simple geometry and save it.
	Make a new file
	Following this, it is then possible to use the "Open Slope file" icon or the File \rightarrow Open command to open the "Open" dialogue box.

Issue 9	Starting TensarSlope Please click on the button below to log in to Tensar+ and obtain an activation code, then enter it into the box below. Please ensure that your computer's firewall gives TensarSlope permission to connect to the Internet.
	Log in to Tensar+ to get an activation code
	TENSARSLOPE TM
	Currently on starting TensarSlope , a request to obtain an activation code appears every two or three days.
Solution 9	Activation every two or three days is not the intention, but there is currently a bug in the activation procedure creating this issue. It is necessary to click on the control "Log into Tensar+ to get an activation code". This will open a web browser automatically and go to the required place in Tensar+ to obtain the activation code as shown below. It is then necessary to copy-and-paste this code into the form above.
	Software Activation ×
	Copy and paste this code into TensarSlope®
	53CA-47B6-8596-F1C8
Issue 10	EcoCrib Selected
	If a .SLP file is exported from TensarSoil with the EcoCrib facing, then on opening in TensarSlope the program hangs.
Solution 10	The suggested procedure to overcome this issue is as follows: Set up the problem in TensarSoil using the EcoCrib facing, as required:
	NONAME1 Image: Control of the second se

Change the facing to wrap-around, retaining the same facing angle, coverage (%) and geogrid spacing. Note that the "Base grid" for wrap-around is fixed at level 0.000, which may differ from the **EcoCrib** geogrid layout (this can be fixed later in TensarSlope).



Open the exported file in **TensarSlope**:



Right-click on the line representing the facing, and using the "Facing selection" form, select **EcoCrib**, checking that the facing angle is correct. Remember to repeat this for the portion of the facing line buried below the external ground level, which is easier if you zoom in:





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