

ELCOSEAL® LAY-DOWN EQUIPMENT VISUAL INSPECTION CONDITION REPORT

A copy of this document must be sent with the hire equipment - original to stay at the branch.

VISUAL INSPECTION CONDITION (to be completed by Geofabrics' staff when checking out and checking in)	
Customer	
Dispatch/receipt	Out date: / / In date: / /
Branch location	
Expected return date	

Item Number	Number of items	Item name	Checked out	Checked in	Comments
1	1	Bar, frame and chain assembly			

This equipment has received an in-service inspection and was found to have no obvious defects

CHECKED OUT BY

Name:

Signature:

Date : ___/___/___

Comments/inspection results: _____

CHECKED IN BY

Name:

Signature:

Date : ___/___/___

Dear Customer

On receipt of this equipment, please check all components have been received, ensure your site staff read and understand the operating, maintenance and safety information, and use the equipment in a safe manner.

- You are responsible for the safe operation of the equipment and the safety of your staff.
- At the conclusion of the use of the equipment, please clean the equipment, repack it for transportation and return it to Geofabrics.
- Please advise if there are any missing parts. All equipment usage must be in terms of Geofabrics' Equipment Hire Agreement. You will be charged for any damaged or missing components.

ELCOSEAL® LAY-DOWN EQUIPMENT - OPERATING & SAFETY INSTRUCTIONS

WARNING !

- Any alterations to this hire equipment may prove dangerous to the operator and will be in breach of the Equipment Hire Agreement.
- Service must only be performed by an authorised Geofabrics service organisation or representative.
- Please contact your nearest Geofabrics branch (contact numbers below) for return of this equipment or servicing if it is found to be faulty.
- All hire related documentation, operating & safety instructions are available on the company website (www.geofabrics.com.au).



ELCOSEAL® LAY-DOWN EQUIPMENT - Operator's Manual

The ELCOSEAL® lay-down equipment is designed to be used as an attachment for earthmoving equipment to facilitate the installation of ELCOSEAL® **geosynthetic clay liners** in suitable locations.

Pre-operational considerations:

- Before operating the ELCOSEAL® lay-down equipment, it is important that you read and understand the maintenance and safety precautions outlined below and in the Equipment Hire Agreement (Use and Maintenance).
- Contact your nearest Geofabrics branch (contact numbers below) if you do not understand any of the instructions in this document.
- To operate the ELCOSEAL® lay-down equipment, operators must be in good physical and mental condition. Do not operate if on medication or under the influence of alcohol or drugs. Seek medical advice if unsure.

Safety Precautions and Working Techniques:

- Because the ELCOSEAL® lay-down equipment is suspended/slung from excavators, cranes and other pieces of mobile plant,, special safety precautions must be observed to reduce the risk of people being hit/struck by the mobile apparatus.
- Steel capped safety boots must be worn while operating or working near heavy mobile plant used in association with the ELCOSEAL® lay-down equipment. Keep all body parts clear of the frame at all times when in use.
- Always use personal protective equipment such as riggers gloves, high visibility clothing (shirts or tabards), hard hats and safety eye wear with side protectors.
- Establish an exclusion zone of at least three metres around the equipment when in use.
- Do not use the ELCOSEAL® lay-down equipment for any application **other** than its intended purpose.
- Do not abuse the ELCOSEAL® lay-down equipment in any way which may result in personal injury and/or damage to the equipment.
- Check the condition of the ELCOSEAL® lay-down equipment (including D shackles and chains) before each use for any damage. If the behaviour of the ELCOSEAL® lay-down equipment, changes check it immediately and return it to Geofabrics for service if necessary.
- Never modify the equipment in any way.

Site Conditions:

- The ELCOSEAL® lay-down equipment is designed for the application of ELCOSEAL® geosynthetic clay liners in suitable applications.
- The ELCOSEAL® lay-down equipment should not be operated in conditions which will endanger the operator or other site personnel.

USING THE ELCOSEAL lay-down equipment

Operation:

1. Ensure that all installation staff have the appropriate PPE for the required tasks, ie. Hi-vis vest, hard hat, safety boots, safety glasses, etc.
2. Ensure the ELCOSEAL® lay-down equipment is in sound order and the chains are not twisted, are of equal length and spacing on the spreader beam.
3. Lubrication of the mandrel with WD40 or similar may be required. Extra grip gloves may be needed when handling the mandrel.
4. Insert mandrel into central core of ELCOSEAL® roll manually.
5. Shackle spreader bar assembly onto deployment machinery.
6. Position spreader beam over, or preferably grounded alongside, the ELCOSEAL® roll to be lifted.
7. Attach end collars onto mandrel and tighten locking nuts.
8. Check each chain attachment position (eyelets) on spreader bar to ensure chains hang vertically between spreader bar and mandrel when roll is suspended.
9. Raise arm / boom of deployment machinery.
10. Move roll into starting position.
11. Place roll into position on ground and cut roll tape around circumference.
12. Unroll ELCOSEAL® at no faster than walking pace.
13. Once roll is empty, remove mandrel from core manually after detaching the spreader bar from the deployment machinery.

Trouble Shooting Guidelines:

PROBLEM

1. Roll uneven on lifting
2. Mandrel difficult to insert into GCL core
3. Roll swings uncontrollably
4. Chains at outward angle pushing collars off end of mandrel

SOLUTION

- Ensure chains are not twisted and are free and equal in length.
- Lubricate mandrel with WD40 or similar.
If core is crushed, contact the nearest Geofabrics office for advice.
- Place carefully on the ground or if the roll needs to be suspended, use guide ropes or hand guidance for stability.
- Adjust collar / chain position to suit particular ELCOSEAL® roll width to ensure chains hang vertically.
Check collar locking nuts.

5. Chains tangle when ELCOSEAL® lay-down equipment is raised

Raise the equipment in a controlled manner. No personnel are permitted under the roll during this operation.

6. ELCOSEAL® roll dispenses uncontrollably

Do not cut roll tape (around roll circumference) until roll is in a stable position and grounded.

7. ELCOSEAL® roll jerks/swings on moving

Use guide ropes to stabilise roll to avoid personnel standing within the swing area.

8. ELCOSEAL® roll slides across subgrade

Deploy ELCOSEAL® at a speed no faster than walking pace.

MELBOURNE
(03) 8586 9111
Fax: (03) 8586 9186

SYDNEY
(02) 9821 3277
Fax: (02) 9821 3670

NEWCASTLE
(02) 4950 5845
Fax: (02) 4950 5895

COFFS HARBOUR
(02) 6653 5706
Fax: (02) 6653 5706

PERTH
(08) 9249 5411
Fax: (08) 9249 5447

ADELAIDE
(08) 8177 2055
Fax: (08) 8177 2044

HOBART
(03) 6273 0511
Fax: (03) 6273 0686

BRISBANE
(07) 3279 1588
Fax: (07) 3279 1589

TOWNSVILLE
(07) 4774 8222
Fax: (07) 4774 8655

BUNDABERG
(07) 4155 9968
Fax: (07) 4155 9968

GOLD COAST
(07) 5594 8600
Fax: (07) 5563 3727

DARWIN
(08) 8984 1600
Fax: (08) 8984 1614