

## OPERATING & SAFETY INSTRUCTIONS 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.

<b>VISUAL INSPECTION CONDITION</b> (to be completed by Geofabrics' staff when checking out and checking in)			
Customer		IFS Order Number	
Dispatch/receipt	Out date:    /    /	In date:    /    /	
Branch location		Project Name	
Expected return date			

Item Number	Number of items	Item name	Checked out	Checked in	Serial Number	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 equipment has 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/loan 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 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](http://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 and other 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 (General Safety).
- Contact your nearest Geofabrics branch 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.

## Safety Precautions and Working Techniques:

- **A Safe Work Method Statement (SWMS) should be prepared by the user of the ELCOSEAL® Lay-Down equipment for each work site.**
- 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.
- Establish an exclusion zone of at least three metres around the equipment when it is in motion.
- 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.
- The ELCOSEAL® Lay-down Equipment should be used in accordance with the ELCOSEAL® Installation Guidelines and/or project specific instructions.

## USING THE ELCOSEAL lay-down equipment

### Operation:

	Sequence of Basic Job Steps	Hazards	Controls/Recommended Safe Work Procedure
1	Ensure all lifting equipment is in sound order and the chains are not twisted, are of equal length and spacing on the spreader beam.	Uneven lifting of the roll.	Ensure chains are free and equal.
2	Shackle spreader bar assembly onto machine.	Incorrectly attached to plant/equipment.	Check shackles before lifting.
3	Grease pole with WD40 or similar.	Careful handling of greasy pole.	Personnel to wear gloves with extra grip.
4	Insert Pole manually into central core of ELCOSEAL® roll.	Don't look down core from other end. Don't use machinery to force pole through core.	Keep away until pole protrudes.
5	Position spreader beam over, or preferably grounded alongside the roll to be lifted.	Wind or machine movement causing the suspended frame to swing around uncontrollably.	If roll needs to be suspended, then ensure stability using guide ropes.
6	Attach end collars onto pole and tighten locking nuts.	Not adequately tightening locking nuts.	Check nuts.
7	Check chain attachment position (eyelet) on frame to ensure chains hang vertically when roll is suspended.	Chains angle outward (at top of chain) tending to pull collars off the end of the pole.	Check each roll as the core widths (and hence position of the collar) may vary slightly from roll to roll.
8	Raise machine arm.	Lifting too fast/tangle chains	Raise in a control manner with no personnel to go under lifted roll.
		Uncontrolled dispensing of ELCOSEAL®.	Do not cut tape (around roll diameter) and start dispensing until roll is in position and grounded or in a stable position over level.
9	Move roll into start position.	Roll/Frame jerking and swinging – knocking someone over.	Keep personnel clear or use guide ropes so personnel can minimise roll swinging without standing beneath or near the suspended roll.
10	Place roll in position.	Lowering onto personnel.	Roll must be positioned and grounded.
11	Unroll at no faster than walking pace by moving the plant in the required direction. Avoid taking machinery over previously deployed GCL.	Sliding of dispensed material across the subgrade and 'up-ending' personnel following behind on dispensed material.	Maintain exclusion zone.
		Do not attempt to pull ELCOSEAL® off the roll by hand as it is very heavy.	Use equipment where possible.
12	Once roll is empty, remove from pole from core by loosening collar. Pole can remain in situ.	Removing pole with machine.	Manual operation only.

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