

0.35m³ & 0.75m³ ELCOROCK[®] FILLING FRAME 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	Filling frame			
2	1	Locking ring			

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

CHECKED OUT BY

Name:

Signature:

Date : ___/___/___

CHECKED IN BY

Name:

Signature:

Date : ___/___/___

Comments/inspection results: _____

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.

0.35m³ & 0.75m³ ELCOROCK[®] FILLING FRAME - 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 the 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).



The ELCOROCK[®] Filling Frames are intended for suspending small ELCOROCK[®] containers (0.35m³ to 0.75m³) while being filled with sand by excavators.

Note: Small ELCOROCK[®] containers are usually supplied on pallets (up to 50 per pallet), wrapped in plastic for protection.

Pre-operational considerations:

- Before setting up the ELCOROCK[®] Filling Frame, 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 for assistance (contact numbers below) if you do not understand any of the instructions in this document.
- To set up the ELCOROCK[®] Filling Frame and operate the equipment, operators must be in good physical and mental condition. Do not operate the equipment if on medication or under the influence of alcohol or drugs. Seek medical advice if unsure.
- As the filling and installation of ELCOROCK[®] products is considered a construction activity, the contractor using the hire equipment must prepare a site safety plan that incorporates the safe work methods for high risk work involving Geofabrics' equipment.

Safety Precautions and Working Techniques:

- Because the small ELCOROCK® Filling Frames may be utilised in conjunction with the operation of large, heavy pieces of plant and mobile equipment, there is a risk of people or equipment being hit/struck by mobile plant such as excavators/tractors/bobcats. Accordingly, all reasonable safety precautions must be exercised to reduce the risk of people being injured by equipment and mobile plant.
- Steel capped safety boots must be worn by all workers while operating or working near the ELCOROCK® Filling Frames and mobile plant.
- Always use personal protective equipment such as riggers gloves and safety eye wear with side protectors.
- All workers associated with the assembly and operation of the equipment must wear high visibility clothing (shirt or tabard) to increase visibility when mobile plant is in operation. Staff involved in filling activities must wear hard hats. For extended work activity, ensure that all staff are wearing minimum SPF +15 sunscreen and supply brims to be attached to hard hats.
- All other workers not required to wear hard hats and who work outdoors for prolonged periods should apply sunscreen and wear broad brimmed hats.
- Establish an exclusion zone of at least two metres around the ELCOROCK® Filling Frame (hirer or their delegate to supervise) when an excavator or other piece of mobile plant is pouring sand into the ELCOROCK® Filling Frame.
- Never walk behind or around mobile plant without the mobile plant operator's permission/assent.
- Do not use ELCOROCK® Filling Frames for any application other than its intended purpose.
- Do not abuse the ELCOROCK® Filling Frame or any component of the equipment provided by Geofabrics in any way which may result in personal injury and/or damage to the equipment.
- Check the condition of the ELCOROCK® Filling Frame(s) and locking ring(s), before each use for any damage. If the behaviour of any part of the ELCOROCK® Filling Frame apparatus changes, check it immediately and return it to Geofabrics for service if necessary.
- Never modify the provided equipment in any way.

Site Conditions:

- Depending on the size of the project and number of units to be filled, careful planning of the site layout and logistics regarding filling and placement will enhance productivity and minimize the need for excessive handling or travelling.
- Consideration must be given to natural influences such as tide, wave and wind action and other site specific characteristics (other construction activity, public access, equipment etc). The ELCOROCK® Filling Frame should not be operated in conditions which will endanger the operator or other site personnel.
- Many installations of ELCOROCK® containers are constructed on comparatively soft sub-grades such as beaches and riverbanks. Care should therefore be taken that the filling area is level, firm and clear of debris. Failure to do this may result in the ELCOROCK® Filling Frame falling over. If ground stability changes due to repeated or prolonged use or changing environmental conditions, cease operations until appropriate remediation works are undertaken to provide ongoing stability.

SET UP & OPERATION OF THE ELCOROCK® FILLING FRAME

Introduction:

These guidelines are intended to provide an understanding of the mechanical filling of small ELCOROCK® containers. Observation of some fundamental aspects can avoid on site frustration and enhance productivity.

You will need:

- 0.35m³ or 0.75m³ ELCOROCK® containers (sold by Geofabrics).
- Free standing ELCOROCK® Filling Frame (hired by Geofabrics).
- Locking rings (hired by Geofabrics).
- Backhoe or excavator with appropriate bucket size for sand delivery to hopper.
- An excavator with a suitable quick hitch attachment for safely lifting, carrying and delivering filled ELCOROCK® containers to their required destination.

Filling frame:

The ELCOROCK® Filling Frame(s) will be one of two sizes supplied by Geofabrics - the 0.35m³ frame (refer image 1) or the 0.75m³ frame (refer image 2). Ensure that you have the correct size for your application. The ELCOROCK® Filling Frames consist of the steel rigid frames depicted in images 1 & 2 and are accompanied by the locking rings of the appropriate size (refer image 3) for secure attachment of ELCOROCK® bags to the ELCOROCK® Filling Frame.

Filling:

1. Place the appropriately sized ELCOROCK® Filling Frame on level ground, ensure the open side of the base is facing away from the direction of travel (refer image 4).
2. Remove the locking ring from the ELCOROCK® Filling Frame.
3. Insert a container up through the inside of the main ring. The container should be aligned with the stitched seam pointing forward towards the central upright of the frame and the container should protrude over the top of the ring by 150-200mm. Fold excess inside out over the main ring, the empty container should be hanging uniformly in the filling frame, with the bottom just touching the ground.
4. Place the locking ring over the top of the container and main ring and secure (refer image 5).
5. Commence filling using a backhoe or excavator. Fill to within 300mm of the top of the ELCOROCK® Filling Frame (refer image 6).
6. Release the container from the ELCOROCK® Filling Frame by carefully removing the locking ring - the stored energy in the locking ring may recoil at head height when loosened. Safety glasses must be worn at all times when working with the ELCOROCK® Filling Frames.
7. Slide the ELCOROCK® Filling Frame forward and repeat the filling procedure (refer image 7).
8. Close container as per closure operator manual.
9. Pick up the filled container and place as per the project requirements (refer images 8 & 9).



Image 1: 0.35m³ Filling frame



Image 2: 0.75m³ Filling frame



Image 3: Locking ring



Image 4: Site preparation



Image 5: Container insertion



Image 6: Container filling



Image 7: Container release



Image 8: Container movement



Image 9: Container placement

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