

LINER BAG

Open Top Liners allow the safe transport of minerals and agricultural commodities, or even the disposal of wastes and residual sludge and ashes of industrial processes while keeping the container clean.

Liner Bags are a clean, safe and effective packaging solution that transforms containers into reliable and cost effective alternatives to tank containers, ensuring the lowest logistical costs and reducing environmental impact:

- Protect goods from external agents and contaminations
- Reduce total handling costs: easy and fast to install – load – discharge – dispose
- Maximize container payload
- 100% waterproof
- 100% recyclable

LINER INSTALLATION PROCEDURE

1. Control and preparation of the container:

- a. Check for damages
- b. Check full functionality of all interlocks
- c. Check functionality of the door seals

Eliminate sharp edges to avoid damages to the Linerbag (e.g. nails in the floor, glass, foreign objects, edges on the container wall)

It is of the utmost importance to clean the container of previous loaded product residues, dirt and of any foreign object present.

2. Installation of the Liner (Handle Liner with care! Do not use sharp or pointed objects as tools).

- a. Open the packaging and take out the Liner. Unfold the Liner starting from the container front to the container's doors. **DO NOT WALK ON THE LINER!**
- b. At first hang the Liner on the upper hooks of one side of the container with one hand while keeping the Liner in the other hand.
- c. Do not pull up the Liner using the hanging points, instead use the other hand that is holding the film to pull up the Liner and to bring the hook in position. This is very important in order to avoid tearing the attachment points by overloading the hook.
- d. Open the loading nozzle to allow some air to flow into the Liner.
- e. Proceed with the installation of the hooks on the other side of the container, keeping in mind that the Liner shall be pulled using the hooks and that also walking on the Liner has to be avoided.
- f. Install the metal bar at the rear of the Liner inserting it in the sleeve and place it in the first side fold at the rear of the container.
- g. Attach the iron snap hooks at the front of the Liner to the upper left and right corner next to the container doors.

- h. Insert the first metal bar into the first slot (raffia sleeve right under the loading nozzle).
- i. Insert the metal bars in the remaining three slots and measure the height of the lower bar to the floor of the container.
- j. Adjust the Bulkhead's height by pulling the tensions belts on the two upper sides of the Liner. This will pull up or lower the entire bulkhead, so that height of the bulkhead can be regulated. Measure both sides of the lower bulkhead to control that the bulkhead is straight.

The installation of the Liner is complete and the container can be forwarded to the loading station.

3. Loading theLiner

- a. Once the container with the installed Liner is ready at the loading station, it is advised to use a compressor to blow air into the Liner until its walls are adherent to the container.
- b. Start loading material, paying attention to regulate the speed and the inclination of the stream, in order to avoid damaging the Liner.
- c. Once loading operation is complete, tightly close the loading nozzle and apply (where present) the safety sheet, fixing the attached chord to the upper corners.

