

BULK HANDLING INSTRUCTION & GUIDELINES



RDB RASAYANS LTD.

AN ISO 9001 : 2000 CERTIFIED COMPANY



Delivering Quality - J  mbo Bags

www.rdbgroup.in



STORAGE OF EMPTY FIBCs

Empty FIBCs / Jumbo bags and Liners should be kept clean and stored undercover in such a manner that accidental damage, exposure to sunlight and climate conditions are avoided.

FILLING FIBCs

FIBCs are preferably filled with the base of the bag supported by the ground or a pallet, and the body of the bag supported by the top lift device.

If the FIBC has a discharge spout, it should be tied off or closed before filling.

STABILITY OF THE FILLED FIBCs

When filled the ratio of the height of the bag to the width /diameter of the bag should not be more than 2:1. Stability of bags may be improved by the vibration during or after filling.

LIFTING FIBCs

When lifting FIBCs with a fork lift truck, be sure that the fork lift tines are spaced correctly. All lifting loops, sleeves or other lifting devices should be vertical so that no lateral forces will be created in the FIBC. Be sure that the lifting loops are not twisted. Fork lift tines should have rounded edges and /or protective covers. FIBCs should be raised or lowered smoothly.



HORIZONTAL CARRYING WITH FORK LIFT TRUCKS

The fork lift truck must be suitable for the load to be carried .when travelling with a FIBC hanging from the fork lift tines; there is a danger of the truck becoming unstable. The FIBC should be held closed to the mast and as low as possible with the mast tilted slightly backwards. Make sure that the FIBC body will not be damaged by the wheels of the truck. The load should not restrict the view of the driver.

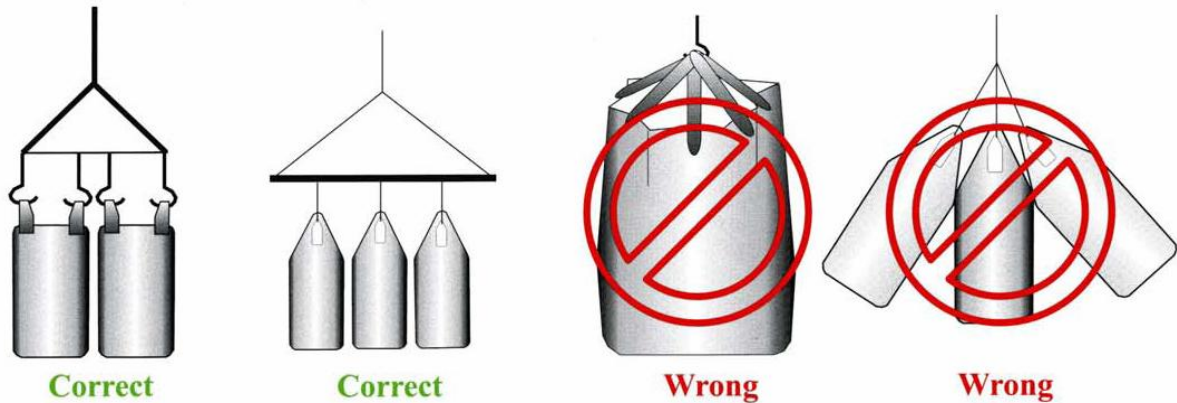
FIBCs must not be dragged. The truck should be brought to stop before the FIBC is raised or lowered.



HANDLING WITH CRANES OR HOISTS

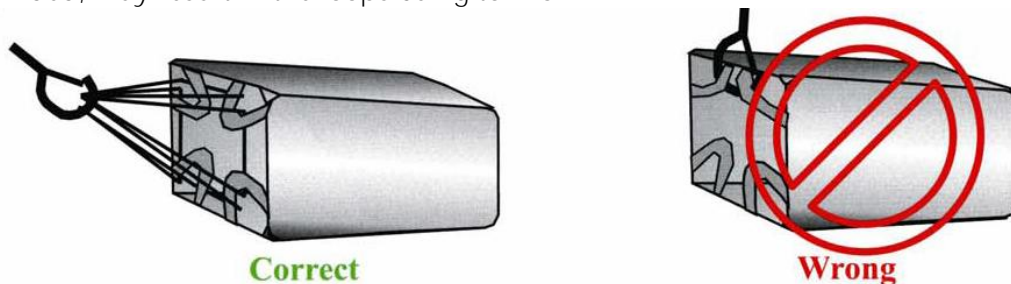
The hooks, spreader bars or other devices used for lifting should have rounded edges and /or protective covers. FIBC recommends the use of safety hooks with an integral latch to prevent the hook from accidentally slipping of the loop. Hooks should have a sufficiently large radius to prevent squeezing the loop.

When the FIBC is suspended, the loops must be vertical, without any twists or knots.



RIGHTING FIBCs

To right an FIBC that has toppled on its side, an endless fabric sling, wound through all the lifting loops, should be used. Any attempt to lift the FIBC using fewer loops than those provided, may result in the loops being torn off.



EMPTYING FIBCs

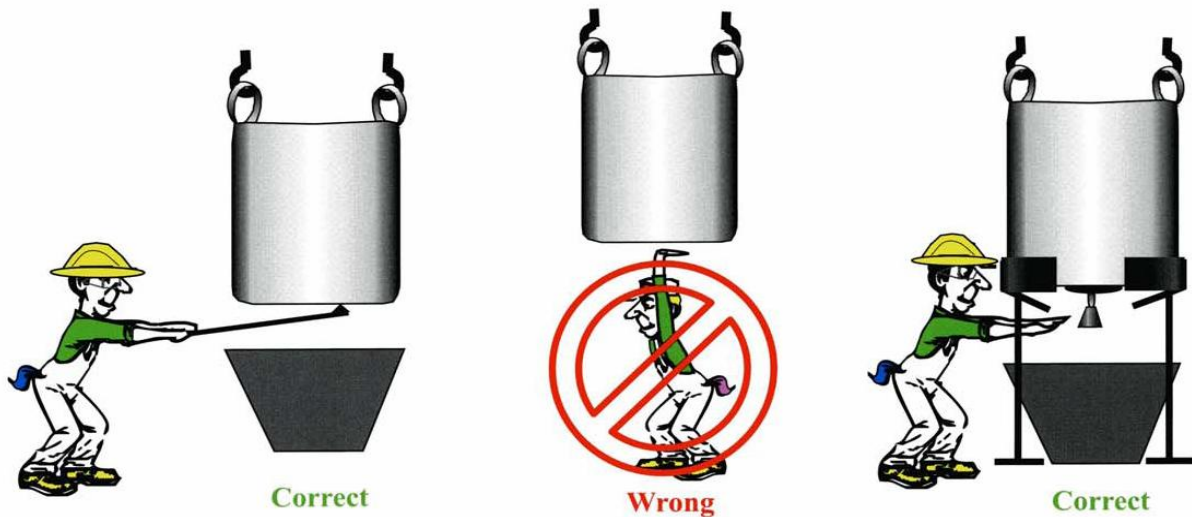
FIBCs are usually emptied by gravity, but can also be emptied by suction. When emptying by gravity through a bottom discharge spout, the rate of discharge can be controlled by restricting the outlet. Flow can be stopped by lowering the FIBC onto the discharge load.

FIBCs with a plain /solid bottom can be emptied by cutting the base of the bag. Again, the flow can be stopped by lowering the bag onto the discharged load

No one should stand under an FIBC during discharge.

A bottom discharge spout should be opened only when the FIBC is suspended over a safety support that will prevent injury to the operator in the event of a failure of the lifting device.

Under no circumstances should anyone stand underneath a suspended FIBC; or place their arm beneath an unsupported FIBC.

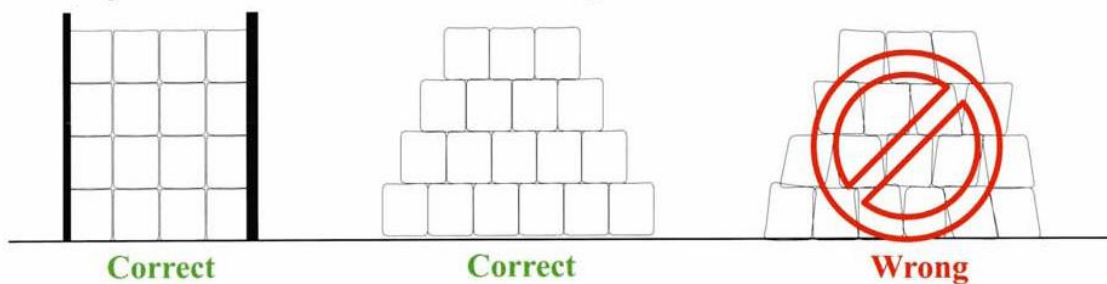


STACKING OF FILLED FIBCs

When stacking filled FIBCs 2 or more high, every effort should be made to ensure that the stack is stable. Where possible, the stack should be formed against the least retaining walls, preferably 3, to achieve maximum stability. Generally, the higher the stack, the greater the number of retaining walls required.

Where only free stacking is possible, a pyramid method should be used.

FIBCs should not be pushed into a stack as this can cause damage to the sides or back of the FIBC.



STORAGE OF FILLED FIBCs

If FIBCs are stored outside, attention should be paid to the top closure. Be sure that top closure is properly tied off. FIBCs should be covered with water proof, U.V. protected material to avoid water collecting on the top of the FIBC and to prevent damage from sunlight.

Be sure that FIBCs are not standing in water.

HAZARDOUS MATERIALS

Special care should be taken while handling bags with U.N. or DOT regulated materials. For question concerning the material, you can contact with the supplier.

EXPLOSIVES MATERIALS AND AREAS

If FIBCs are to be filled or emptied in flammable or explosives atmosphere, special features such as anti-stat material should be utilized. Your supplier can make recommendations for use in these areas.

DO

- ü Do select the right FIBC for the job in consultation with the manufacturer.
- ü Do read the instruction lable on the FIBC.
- ü Do inspect re-usable FIBC before refilling.
- ü Do check that the discharge spout is closed before filling.
- ü Do ensure that the fillied FIBC is stable.
- ü Do close the top inlet correctly.
- ü Do use lifting gear of sufficient capacity to take the suspended load.
- ü Do adjust forklift tines to the correct width for the FIBC being handled.
- ü Do ensure that the crane hooks are of adequate size and well rounded.
- ü Do take appropriate measures in regard to dust control.
- ü Do consider the possibility of static electricity hazards.
- ü Do protect the FIBC from rain and / or prolonged sunlight.
- ü Do ensure that FIBC are adequately secured in transportation.

DON'T

- ü Don't exceed the SWL under any circumstances.
- ü Don't fill FIBC unevenly.
- ü Don't stop or start suddenly during transportation.
- ü Don't subject FIBC to snatch lifts and / or jerk tops.
- ü Don't drag FIBCs.
- ü Don't allow personnel under suspended FIBCs.
- ü Don't allow FIBCs to project over the side of a vehicle or pallet.
- ü Don't withdraw forklift tines prior to relieving the entire load on the lifting devices.
- ü Don't stack FIBCs unless sure of stability.
- ü Don't use FIBCs under new conditions without consulting the manufacturers.
- ü Don't use second hand FIBC.
- ü Don't Lift FIBCs without using all the lifting loops provided

SAFETY LABELS

Every FIBCs must contains a Safety Label stitched with the body fabric for the handling instruction & guidelines.

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SAFE HANDLING INSTRUCTIONS FOR FLEXIBLE CONTAINER BAG									
✓		✓		✓		✓		✓	
SWL		500		1000		1050			
(In Kgs.)		1100		1500		2000			
S. F.		5:1							
Single trip									
YEAR 2008-09-10									
M		01		02		03			
O		04		05		06			
N		07		08		09			
H		10		11		12			

FOR NEW FIBCs USER

"If you are not sure which is the right bulk bag for you,
do contact us because selecting a FIBC type also improves safety"

Further any query & assistant please feel free to get in touch with us. We will be happy to offer
you the best solution for your needs.

Please provide the following information:

- The material to be packed / procedure.
- Filling and emptying method / procedure.
- Transport method / procedure
- Storage & Handling method / procedure.



Storage of FIBCs



Handling of FIBCs

Contact Details

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