

# 1000 litres, IBC SLX UN EX with electrostatic protection

IBC 40A- III

## IBC SLX UN EX provides safe handling of the users for the packaging flammable liquids.

- IBC SLX UN EX is intended for the safe use and packaging of flammable liquids. It gives optimum protection against static discharge during filling, emptying, handling, transportation and storage.
- IBC SLX UN EX is equipped with a 1000 litres high density polyethylene (HDPE) bottle made by extrusion blow moulding, with one (1) valve screwed into the bottom outlet, on one (1) pallet and maintained by one (1) protective wire cage. The bottle is covered by one (1) conductive top pad. Specific bottle colours for UV protection, white.

<b>MARKING PLATE</b>	Standard (width 331, height 390 mm) Large (width 667, height 390 mm)
Raw material	- Galvanised steel.
Remarks	- Standard or large, plates are fitted on the front and on the back, additional plates are optional. - Front marking plate with a traceability and UN label. Bar code type EAN 13 available.

<b>PROTECTIVE WIRE CAGE</b>	- Welded steel wire mesh.
Manufacturing process	- Automatic welding.
Colour	- Silver grey.
Remark	- Anti corrosion treatment, coated with oven conductive polymerised epoxy polyester.

<b>BOTTOM OUTLET</b>	2" valve	Valve protection gate
Raw material	conductive HDPE	galvanised steel
Colour	black	silver grey
Manufacturing process	injection moulding and assembly	stamped
Remarks	- Valve delivered with elbow. - Triple security on the valve, red security pin on the lever, aluminium/PE tamper evident seal welded to valve outlet and end cap with seal. - Valve seals, EPDM or VITON, in case of doubt please contact us. - Serial number on the valve body. - 3" inch valve available, consult us.	

Valves range for IBC SLX UN EX :



**N.B.:** Every valve is equipped with an earth wire, except the models for wooden conductive pallet.

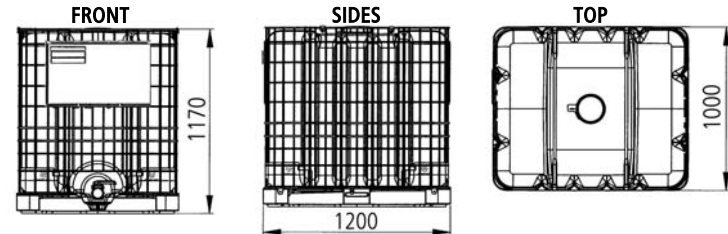
### Approval(s) :

- In accordance with UN recommendations and the derivative modal regulations : RID/ADR, IMDG code.
- In accordance with CENELEC report, TR 50404:2003 (new version of CENELEC report, RO44-001:1999), guidance and recommendations for the avoidance of hazards due to static electricity.
- For flammable products of the explosion group IIA, used in zone 1 & 2.

### Nominal capacity :

- 1000 litres (-0 +6%), (total brimful capacity, 1050 litres).

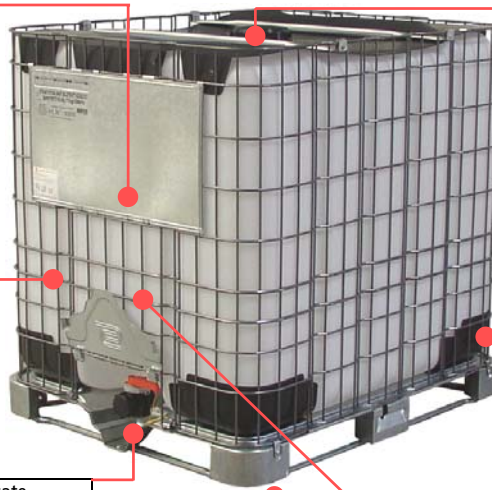
### Weights and dimensions, in mm :



Weights depend, of the pallet (-1/+ 3 kg)		Dimensions (+/- 10 mm)		
Metal	Wood	Length	Width	Height
69,0 kg	68,0 kg	1200 mm	1000 mm	1170mm

### Delivered quantity by transport :

Transport	120 m <sup>3</sup> truck	100m <sup>3</sup> truck	70m <sup>3</sup> truck	40" container	20" container
Quantity	60 IBC's	52 IBC's	32 IBC's	42 IBC's	18 IBC's

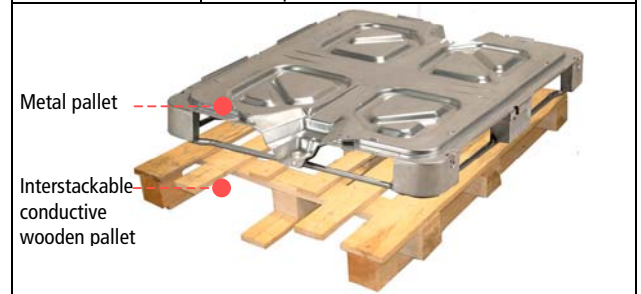


<b>BOTTLE CAP AND TOP PAD</b>	Cap : Ø150mm Ø220mm	Top pad
Colour	black	black
Manufacturing process	injection	/
Raw material	HDPE	PP
Fixing on the bottle	screw	welded
Closing torques	-Ø 150, 50 / 70 Nm. -Ø 220, 80 / 100Nm.	
Remark	- Tamper evident system available for the cap.	

<b>CORNERS PROTECTORS</b>	
Colour	- Black.
Raw material	- HDPE.
Manufacturing process	- Injection moulding.

<b>MARKINGS ON THE BOTTLE</b>	Manufactured date of the bottle and, assembly date of the IBC. Logos : HDPE SOTRALENTZ Emballage
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<b>PALLET</b>	Metal	Wood
Rackable, stackable, interstackable	yes	yes
Perimetric	yes	no
No-perimetric	available soon	yes
Raw material	galvanised steel	wood
Manufacturing process	stamped and welded	assembly
Remark	Wooden pallet, heat treatment IPPC 15 available.	

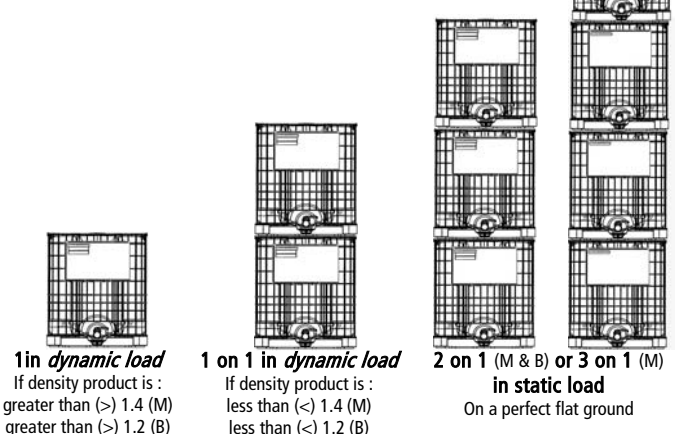


### Important :

- During the filling and the emptying operations it is imperative to earth the IBC.** Preference :
  - one (1) on the mesh or one (1) on the pallet, *for the model with metal pallet.*
  - one (1) on the mesh, *for the model with wooden pallet.*

### Recommended maximum stacking for filling IBC's :

- (M) : metal pallet.
- (B) : wooden pallet.



**1 in dynamic load**  
If density product is :  
greater than (>) 1.4 (M)  
greater than (>) 1.2 (B)

**1 on 1 in dynamic load**  
If density product is :  
less than (<) 1.4 (M)  
less than (<) 1.2 (B)

**2 on 1 (M & B) or 3 on 1 (M) in static load**  
On a perfect flat ground

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# Instructions for use IBC<sup>(1)</sup> SLX from SOTRALENTZ Packaging

## How to choose a IBC SLX from SOTRALENTZ Packaging ?

- ✓ SOTRALENTZ Packaging can advise the customer taking into account the type of product to be packed, the way, the IBC's needs to be stored, handled, and transported...
- ✓ The compatibility of the product with the packaging is the filler's responsibility. They must verify whether the packaging is compatible with the product, the closures and the seals. *See the SOTRALENTZ Packaging valves brochure.*
- ✓ The density of the product determines the maximum stacking height, the way of handling and also the weight of the packaging. Especially when the density is higher than 1.2, special precautions need to be taken when stacking. *See the IBC SLX technical sheets.*

### 1. Storing an empty IBC.

- ✓ Keep away from sparks and heat sources like hot pipes, hot tanks, radiators...
- ✓ Stock in clean and non-contaminated environments.
- ✓ For longer periods, do not store outside or exposed to UV light.

### 2. Filling a IBC.

- ✓ Avoid damaging the packaging, especially the closure, with the filling equipment.
- ✓ The closures need to be tightened to the correct torque as prescribed by the manufacturer.
- ✓ Do not re-use venting closures.

### 3. Hot filling a IBC.

- ✓ For short periods (a few hours) temperatures up to 80° Celsius can be reached during filling without effecting the mechanical characteristics of the package. In case of longer periods do not exceed 60°Celsius.
- ✓ Check the compatibility of the product with the packages heating above 25° Celsius. As this may have a negative effect on certain products with regard to compatibility with polyethylene.
- ✓ After filling, leave the IBC open until the product temperature equals the ambient temperature, or use a balance venting closure.

### 4. Handling, storing and transport of filled IBC.

- ✓ Use only appropriate handling equipment. Don't use an hand stacker pallet truck for IBC SLX intended with perimetric pallet. *If in doubt, please contact use.*
- ✓ Stack on smooth and levelled surfaces adapted to carry the weight of the filled IBC's.
- ✓ Verify that the end-user has all the vital information regarding to handling and especially the maximum stacking height. *See the IBC SLX technical sheets.*
- ✓ During transport and particularly when the IBC's are stacked, they should be secured in the truck or in the ISO containers.
- ✓ IBC SLX equipped with an interstackable wooden pallet has to be stacked correctly on the bottom mesh.
- ✓ The weight of an IBC with a wooden pallet can change in a humidity environment.
- ✓ When a specific emptying system is fixed on to the valve, special precautions need to be taken to ensure that damage to the bottom outlet does not occur.
- ✓ The storage temperature of a IBC should not be less than -40° Celsius or greater than 60°Celsius.

### 5. UN-markings and homologations.

- ✓ The UN-marking certifies the IBC conformity to the UN-recommendations and regulations (RID/ADR, IMDG) for the transport of dangerous goods.
- ✓ For a UN IBC an inspection has to be made 30 months at least after the manufacture date, present on the UN marking.
- ✓ For IBC's that are used for multi-trips, SOTRALENTZ Packaging recommends to change the valve after each trip.
- ✓ The level of homologation (density, packaging group, hydraulic pressure) mentioned in the UN-marking refers to products chemically assimilable to water. In general, for the other standard liquids the performance level will be lower. *See the UN-certificate.*
- ✓ The hydraulic pressure value in the UN-marking corresponds with the pressure against which the packaging resists for a maximum period of 10 minutes. However this hydraulic pressure value can not be used as a reference for emptying the IBC under pressure.
- ✓ The nominal capacity of a IBC is given by a marking on the bottle in litres and US gallons. These values can't be used for commercial transaction.
- ✓ Another important markings figure on the bottle at the top of the bottom outlet : Manufacture date, serial number of the bottle, serial number of the IBC and the logos ; "PEHD" , "SOTRALENTZ" , "ECOFUT" . Serial number on the valve body.

<sup>1</sup>IBC : Intermediate Bulk Container

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