



PITS 20 & PITS 40

Systems (patented)

20- & 40-Tonne Capacity

Protected Integrated Transportation & Storage Systems

For total pesticide-free protection of commodities “from producer to customer”- a “green” technology. The PITS 20 & 40 systems utilize one or two (nominal) 20-tonne (33m³) capacity Cocoons™ respectively to allow seamless transition from safe multi-month, airtight storage to full airtight protection during intercontinental transport in 20- or 40-foot shipping containers, PITS systems for combined storage and transport are typically used for dry commodities such as cocoa, coffee, seeds or rice that need protection against the effects of the increase of FFA’s, moisture, insects, molds, and rodents. Or, depending on your application handling can be manual or by pallet load using forklifts.

Benefits of PITS System™:

- Airtight (hermetic) storage all the way to customer
- Maintains access for required random sampling required by customs or other agencies
- Low cost (typically less than 1 US cent/kg/use) for storage in Cocoon™ and less than 0.5 cent/kg for airtight TranSafeliner™ (TSL) per use
- Eliminates weight losses
- Maintains top quality
- Almost completely eliminates losses to insects, rodents, molds
- Constant water content/humidity regardless of exterior environment
- No chemicals
- Reusable
- Flexible, lightweight containers
- A single integrated system solving both protection both before and during shipment, optional at destination

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20-tonne Cocoon™



Individual Commodity Bags on Pallet



Fully Loaded TranSafeliner™

Summary Specifications:

Specs.	20-Tonne Cocoon™ (Other sizes available: 5-1000 tonnes)	TranSafeliner™ 20 ft. container
Weight	74 kg	9.5 kg
Packed Volume	0.29 m ³	
Permeability to O ₂	400 ml/m ² /day	55mm/m ² /day
Permeability to water vapor	8 gm/m ² /day	8 gm/m ² /day
Tensile Strength	35 N/mm ²	200kg/cm ²
Thickness	0.8 mm	0.1 mm
Material	PVC	Coextruded 3 layer system
Dimensions	2m(H) x 4.4m(W) x 3.4m(L)	9.40 m perimeter, 9m length
Capacity	20-tonnes (nominal) 30 m ³	20-tonnes (nominal) 33 m ³

Alternative:

60–90 kg SuperGrainbag™ liner inside conventional jute or woven polypropylene (PP) bags which allows protection starting with individual bags to eventual end user. (See GrainPro SP2240TB0704).

Local Contact Information: