



TECHNICAL DATA SHEET



Section 1: Product Specification

1.1. Trade name

# LithoPore® Sand Bunker System(SBS)

1.2. Manufacturer

Luca Industries International GmbH

Phone: +49 30 457989680

Fax: +49 30 457989689

Email: [info@luca-industries.com](mailto:info@luca-industries.com)

The **LithoPore® Sand Bunker System (SBS)** is an optional component for the **LithoPore®** plant concept. It is essential whenever fly ash or other fine sized dry raw materials through silo dosing are not available and fine sized sand has to be used for the production of LithoPore® aerated lightweight concrete.

Fine sized sand as a filler can be also used in addition to fly ash or other fine sized dry raw materials.

The **LithoPore® Sand Bunker System (SBS)** is basically equipped with two bunkers for two different types of dry raw materials. The two bunkers contain also a weight control system to precisely calculate the needed quantity of each dry raw material for the respective mix design in combination with the general control panel of the **LithoPore®** plant. Both bunkers can be controlled separately through the **LithoPore®** plant's software.

A belt conveyor is delivering and discharging the dry raw material directly batch by batch into the **LithoPore® Station (Plant version)**.



## TECHNICAL DATA SHEET

LithoPore® Sand Bunker System(SBS)

01/2015

### Section 2: Technical data

Type:	BS 16 h
Capacity:	16 m3
Bunkers:	2, each 8 m3
Raw material types:	sand, any further dry and fine materials (above 100 µ particle size)
Total power installed:	13 kW
Total power:	10 kW
Voltage:	400 V, 50 Hz
Belt conveyor engine:	4.0 kW
Extracting belt engine:	3.0 kW
Hydraulic control unit engine:	2.2 kW
4 x motor vibrator:	4x 0.18 kW = 0.72 kW
Belt conveyor (capacity):	60 m3/h
Bunkers loading height:	3.10 m
Belt conveyor discharge height:	4.65 m

#### Optional accessories

Hydraulic lifting devise for complete bunker system for fast assemblage and disassembly

#### Transport dimensions

Length with retracted belt conveyor:	7.20 m
Length with extended belt conveyor:	8.20 m
Width:	2.50 m
Height with retracted belt conveyor:	2.80 m
Weight:	6500 kg
Details:	to be transported vertically on a flat rack
Storing / operating temperature:	+5°C to +60°C

### Section 3: Application

The LithoPore® Sand Bunker System (SBS) is only suitable for the LithoPore® plant concept. It is not sold separately.

The information contained in this product specification is based on our current state of knowledge and experience. It does not free the user from making his own tests and trial applications. A legally binding assurance of certain properties cannot be inferred from this information. Any existing patent rights as well as any pertinent legal regulations must be observed by the recipient of our products under his own responsibility.