

CL1 Manual EN





WARNING! 
Read the manual

Before initial operation, it is essential to read the instructions in this manual to prevent damage to the product and personal injuries!

Introduction

Thank you for choosing a CERPUR CL1 silo.

Please read this manual carefully before use.

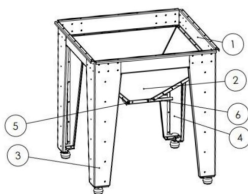
Scope of delivery

The silo is delivered as a kit. Check the delivery for completeness before starting assembly.

- 1 manual

Base module

- 4 side panels (1)
- 4 hopper panels (2 with holes and 2 without holes on the short side) (2)
- 4 feet (3)
- 4 feet reinforcement plates (4)
- 1 sliding closure (5)
- 1 slide guide (6)
- 1 screw set



Accessories

- Extension frame: Consisting of 4 outer panels and 1 screw set (up to 6 units per silo possible).
- Top cover: Consisting of 4 roof panels, 1 lid and 1 screw set.

Intended use

The CERPUR CL1 is designed for storing grain and other free-flowing bulk materials. The material to be stored must be dry and in a storable condition prior to filling the silo. Moist or non-storable material can cause mold formation, temperature increase, and clumping.

Important installation instructions:

- Assembly: Only on a level, load-bearing floor at the designated mounting points.
- Environment: The installation site must be dry, roofed, and protected from the wind.

Unauthorized modifications, additions, or conversions to the product are prohibited without the manufacturer's written approval. Any unauthorized modifications will void all warranty claims.

Any other use is considered improper. The manufacturer is not liable for any resulting damage; the user alone bears the risk.

Safety instructions



Ensure that everyone who operates, maintains, or assembles the CL1 has read and understood this manual.



Wearing safety shoes, protective gloves, dust masks, and safety goggles is mandatory during assembly and operation.



Dust exposure: Dust can be generated during the operation of the CERPUR CL1. Wear a dust mask and safety goggles during operation. Ensure adequate extraction or ventilation.



It is strictly prohibited to climb on the system or use it as a climbing aid.



Only use approved and safe climbing aids to prevent a fall.



In the event of damage and visible deformation (e.g., dents, kinks), the silo must be immediately emptied and secured.



Fire and explosion protection: Operating the CERPUR CL1 in potentially explosive atmospheres is strictly prohibited. Avoid dust accumulation. Combustible dusts can ignite and cause severe explosions.

Technical data

Maximum 3,000 kg
filling
weight

Maximum 0.8 kg/dm³
bulk
density

Material Galvanized steel

Base module

Dimensions 123×123×121 cm

Volume 0.5 m³

Net weight 93 kg

Outlet slide 16×18 cm
gate

Ground 59 cm
clearance

Extension frame

Dimensions 125×125×38 cm

Volume 0.5 m³

Net weight 26 kg

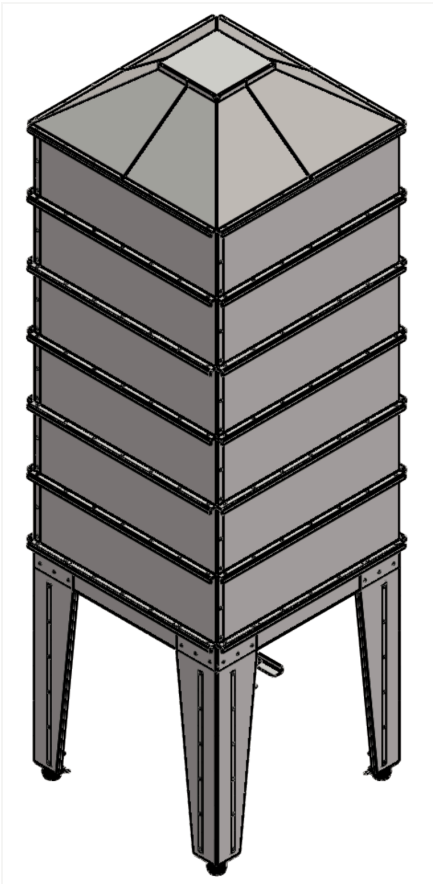
Top cover

Dimensions 125×125×34 cm

Volume 0.18 m³

Net weight 21 kg

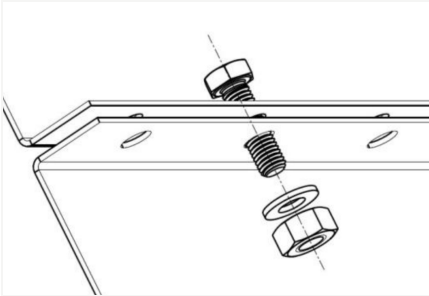
Filling 36×36 cm
opening



Dimensions (1 base module, 6 extension frames and 1 top cover): 125 × 125 × 383 cm

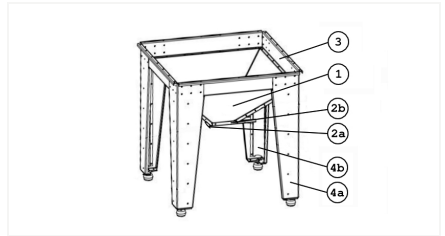
Assembly

The entire silo is assembled using M8 × 16 mm hexagon head bolts, washers, and hexagon nuts.



Base module

1. Hopper: Bolt the 4 hopper panels together. Important: The two panels with holes on the short side must be opposite each other.
2. Outlet slide gate: Insert the slide gate into the guide and bolt the unit to the bottom of the hopper.
3. Base frame: Place the 4 side panels on top of the hopper. Initially, only tighten the bolts hand-tight.
4. Feet: Bolt the reinforcement plates to the inside of the feet. Position the feet under the hopper and bolt them in place. Initially, only tighten the bolts hand-tight.
5. Align everything and now fully tighten ALL bolts of the base module.



Base module. 1: hopper; 2a: sliding closure; 2b: slide guide; 3: side panels; 4a: feet; 4b: feet reinforcement plates

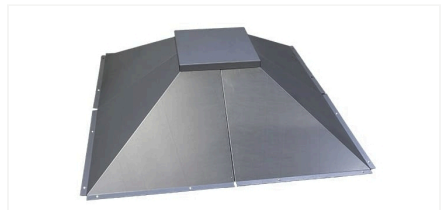
Extension frame

Bolt the 4 outer panels together. Initially, only tighten the bolts hand-tight. Place the extension frame onto the base module or the preceding extension frame and bolt the edges together. Now fully tighten ALL bolts.



Top cover

Bolt the 4 roof panels together. Initially, only tighten the bolts hand-tight. Place the top cover assembly onto the final frame and bolt the edges. Now fully tighten ALL bolts. The lid is placed on top loosely.



Maintenance and cleaning

Regularly check that all bolted connections are tight.

Clean the silo when it is empty (e.g., during product changeover). Do not use aggressive cleaning agents. If using compressed air, wear a dust mask, safety goggles, and hearing protection.

Disposal

At the end of its service life, the silo consists exclusively of recyclable materials. As no electrical components, operating fluids, or hazardous materials are installed, the product can be completely directed to material recycling (scrap metal).

- Packaging: Transport pallets (wood) and any transport films (PE) must be disposed of via the appropriate regional recycling systems.
- Silo components (panels, profiles, slide gate): Can be dropped off as mixed scrap / offcuts at any certified scrap dealer or recycling center.
- Bolts and fasteners: Can be disposed of together with the rest of the steel scrap.

Waste codes according to the European Waste Catalogue (EWC):

- 17 04 05: Iron and steel (for the silo parts and bolts)
- 15 01 03 / 15 01 02: Wooden packaging / plastic packaging (for the transport material)

Imprint

All information, specifications, and illustrations are accurate as of 2026, subject to technical or design modifications.

All information in this manual is provided without guarantee despite careful preparation. Any liability on the part of the author is excluded.

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