

HL542Prblue

Shower and floor drain for coated floor coverings



General information:

What does “seamless bath” mean?

More and more people are opting for the modern design of a seamless bathroom and are relinquishing on conventional tiles. A seamless bathroom – processed with thin coatings on the wall and floor – is characterized by a surface without gaps which replaces the traditional tiles. Thanks to the smooth surface the bathroom seems more spacious, clearer and gives a more comfortable feeling.

This modern design impresses with its elegant look as well as bringing a lot of technical advantages. It is less complicated to clean the surface, at the same time it prevents mold formation and dark discoloration, as there is no residual moisture or dirt in the gaps/seams. The seamless surface also impresses with its robustness as it can't break or crack like common tiles.

Which material will be used?

There is a wide range of different materials which can be used to create a seamless bathroom. The range is from liquid materials to materials which are applied by using a spatula. Following materials are particularly suitable for such projects:

- Lime plaster (e.g. Microcement)
- Beton Ciré
- Synthetic resin
- Stone plaster

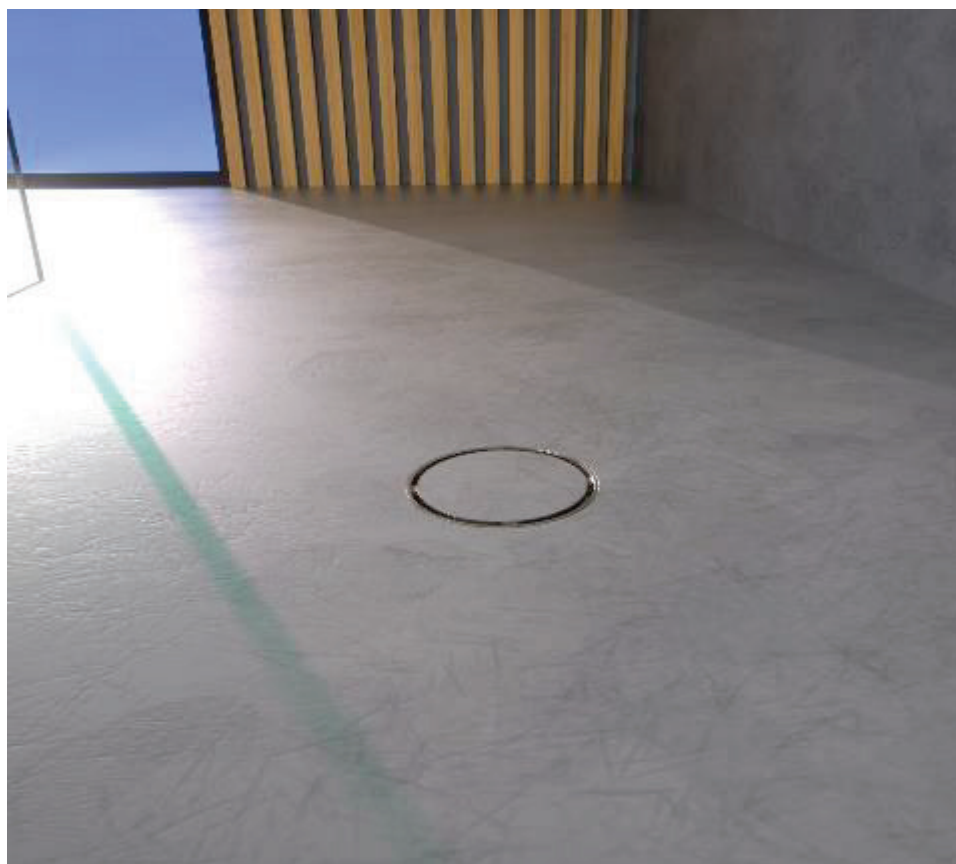
In the shower area only suitable compound material should be used where it is possible to form the necessary slope (minimum 2%) to the drain.

In general, there is neither a generally valid statement nor a current standard for planning, implementing and maintaining seamless floor surfaces. Therefore, all process steps need to comply with the manufacturer's instructions of the coating system.

Is a waterproofing in the bath room necessary?

Due to the frequent and heavy water loads during showering, one of the biggest challenges for a seamless bathroom is the planning and execution of the shower area. Therefore, it is indispensable to apply a waterproofing below the finished surface.

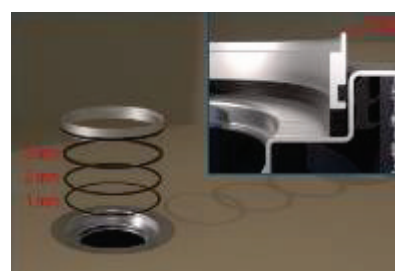
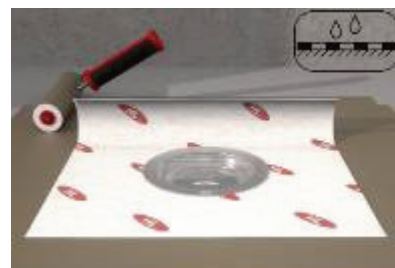
HL542Prblue Shower drain for seamless bathrooms



Our new article „HL542Prblue“ for the shower area of seamless bathrooms is based on the same body as the HL541. It enables an easy and safe integration into the composite sealing as well guaranteeing a good connection between the floor coating material and the drain. The round stainless-steel frame can be adjusted to different layer thickness (from 1 to 7 mm)

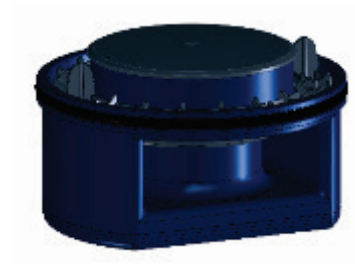
Characteristics:

- Secure sealing & coating connection:**
 The sealing kit which is included in the set ensures an easy, tool-less mounting and safe connection to the water proofing. The flange made out of stainless steel has the perfect surface for a connection to the seamless floor material.
- Adjustable height:**
 It is possible to adjust the height (between 1mm-7mm in 1mm intervals) of the stainless-steel frame. Therefore, the frame is compatible with different materials and layer thicknesses.



- **Hybrid trap system Primus blue:**

The trap system „Primus blue“ offers an improved protection against smells coming out of the drain. It is odor tight even without sealing water. Easy handling ensures fast and user-friendly cleaning. Backflow resistant up to a pressure of 0,5 meter water column = 0,05 bar.



- **HL Combi-cover:**

The cover combines two different design options:

- On one side it is possible to coat the cover with the coating material to create a consistent and modern look
- The other side of the cover is a classic brushed stainless-steel surface



HL542Prblue.0 Floor drain for liquid industrial floors

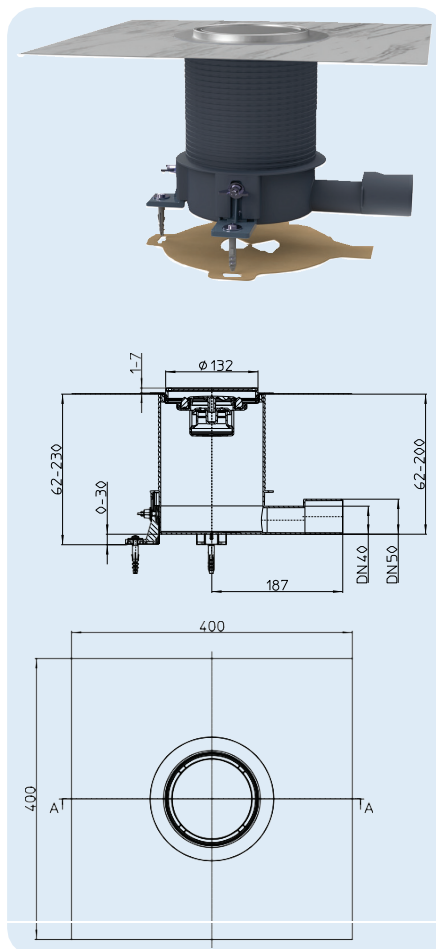


The HL542Prblue.0 should be used whenever no waterproofing is necessary below the final layer of the liquid floor coating, e.g. industrial floors in technical rooms, commercial kitchens, garages or warehouses. Basically, the design is identical to HL542Prblue, but without waterproofing fleece. For higher loads, a separate stainless-steel grate (HL0542.7E) is available. It can be used for load class L15 (up to 1,5 tons max.)

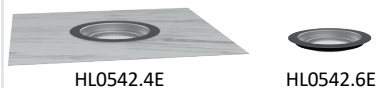
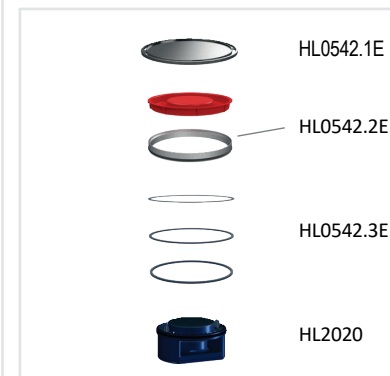
HL542Prblue Shower drain for coated floor coverings HL542Prblue.0 Floor drain, without waterproofing fleece

Data

Capacity	0,4 l/s
Material	PP, Stainless steel V4A
Outlet dimension	DN40/50 horizontal
Constr. height	63 – 200 mm (230 mm)
Standard	EN 1253
Load class	K3 – max. 300 kg
Odour barrier	Primus blue, hybrid trap, combining a mechanical trap and a classical water trap (absolute odour proof even without water). Backflow resistant up to a pressure of 0,5 mWs
Additional Information	incl. Removable trap inlet, adjustable fixing angles, hair catcher, lot cover and protection cover
Installation	HL542Prblue Liquid shower and floor drain for coated floor coverings, with adjustable stainless-steel frame (from 1 to 7 mm) for adaption to the final surface height. Sealing set with fleece covered foil (HL542Prblue) to apply the waterproofing and a stainless steel flange for a secure connection to the floor coating material. Incl. Primus blue trap, Combined cover, extension rings and protection cover. Please also see installation movie and the function of Primus blue at www.hl.at



HL542Prblue HL542Prblue.0



HL541K

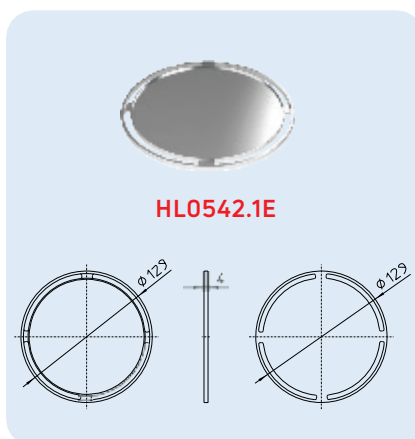


HL-No.	Dimension	Cover	Weight	EAN	Pcs / package
542Prblue	DN40/50	Stainless steel V4A	1313 g	+050154	1
542Prblue.0	DN40/50	Stainless steel V4A	1238 g	+052622	1

HL0542.1E, HL0542.7E Design grates

Data

Material	Stainless steel V4A
Grate	Stainless steel grate $\varnothing$ 129 mm
Load classification	HL0542.1E: K3 – max. 300 kg HL0542.7E: L15 – max. 1,5 t
Recommended for	HL542Prblue and HL542Prblue.0
Additional Information	HL0542.1E Combined cover (can be used on both sides - one side with 1.5 mm deep coating mould for individual coating, the reverse side with polished surface)



HL-No.	Material	Dimension	Weight	EAN	Pcs / package
0542.1E	Edelstahl V4A	$\varnothing$ 129 mm	X g	+002245x	1
0542.7E	Edelstahl V4A	$\varnothing$ 129 mm	X g	+001934x	1

HL Barrier-free shower - installation instructions



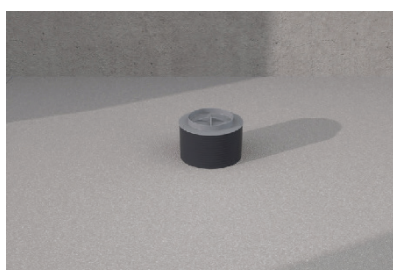
1. Determine the drain position, place the installation template in the direction of the drain pipe and mark the position for the drill holes.



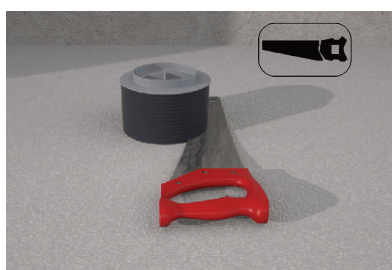
2. Drill holes and fix the drain body to the concrete ceiling using fixing brackets and screws.



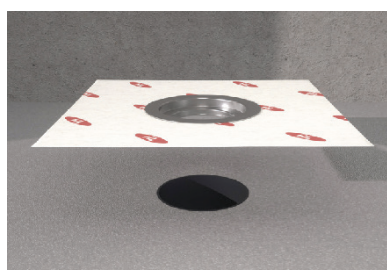
3. Connect the drain body to the drain pipe. Adjust the height and the pipe slope using the fixing brackets, align the drain body horizontally as shown in Fig. 3.



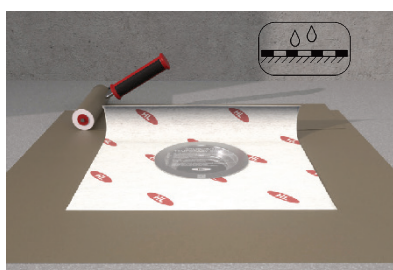
4. Create the floor structure with a slope of minimum 2% in the scree.



5. After the screed has hardened, cut off the remaining pipe flush with the floor using a saw.



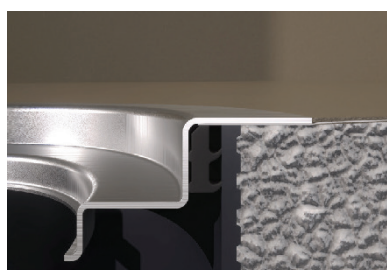
6. Insert the waterproofing set into the drain.



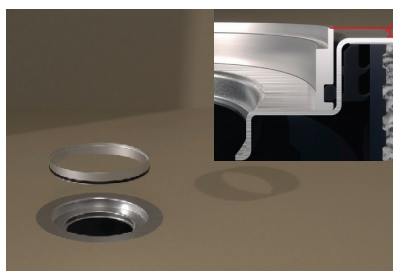
7. Apply waterproofing below and above the sealing set (sandwich method), as well as in the entire shower area. Provide all connection points with sealing tapes.



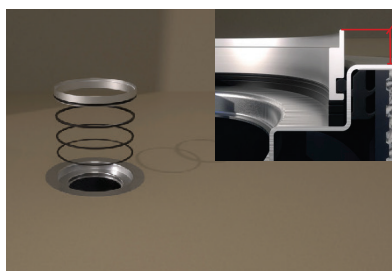
8. Remove protective foil



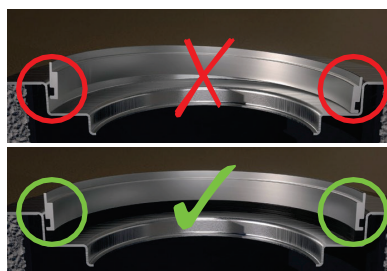
9. Waterproofing layer connects to the stainless-steel flange of the waterproofing set as shown in Fig. 9.



10. Completely insert the round stainless-steel frame with O-ring into the waterproofing set, height of the frame is 1 mm = coating thickness see Fig. 10.2



11. The round stainless-steel frame can also be adjusted to the required coating height with one or in combination with several extension rings. The height is adjusted in 1 mm increments. The adjustment range here is between 1 and 7 mm

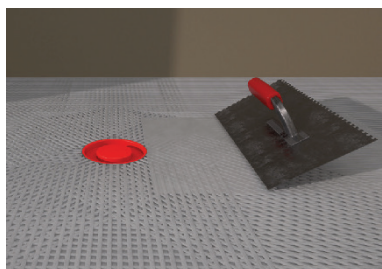


12. Ensure that the round stainless-steel ring is correctly positioned.

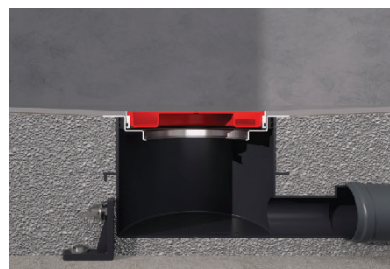
HL Barrier-free shower - installation instructions



13. Clean the stainless-steel flange and insert the lot cover.



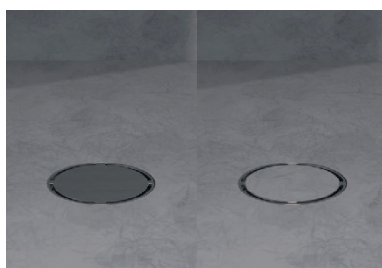
14. Apply the coating according to the manufacturer's instructions.



15. Flush finish of the coating with the round stainless-steel frame.



16. Remove lot cover and insert Primusblue odour barrier.



17. The stainless-steel combined cover can be inserted either in a stainless-steel look or coated.

