

HL542Prblue Design Drain Liquid for seamless bathrooms

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.



Figure 1 seamless bathroom

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. In order to prevent moisture from penetrating the floor surface and causing structural damages as a consequence, the connection of the coating to the drainage system is very important. It is important to ensure that there is a tight connection between the drainage system (e.g. shower drain) and the floor surface / coating.

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. The planning, execution and cleaning of the seamless surface should be clarified in advance with the respective manufacturer.

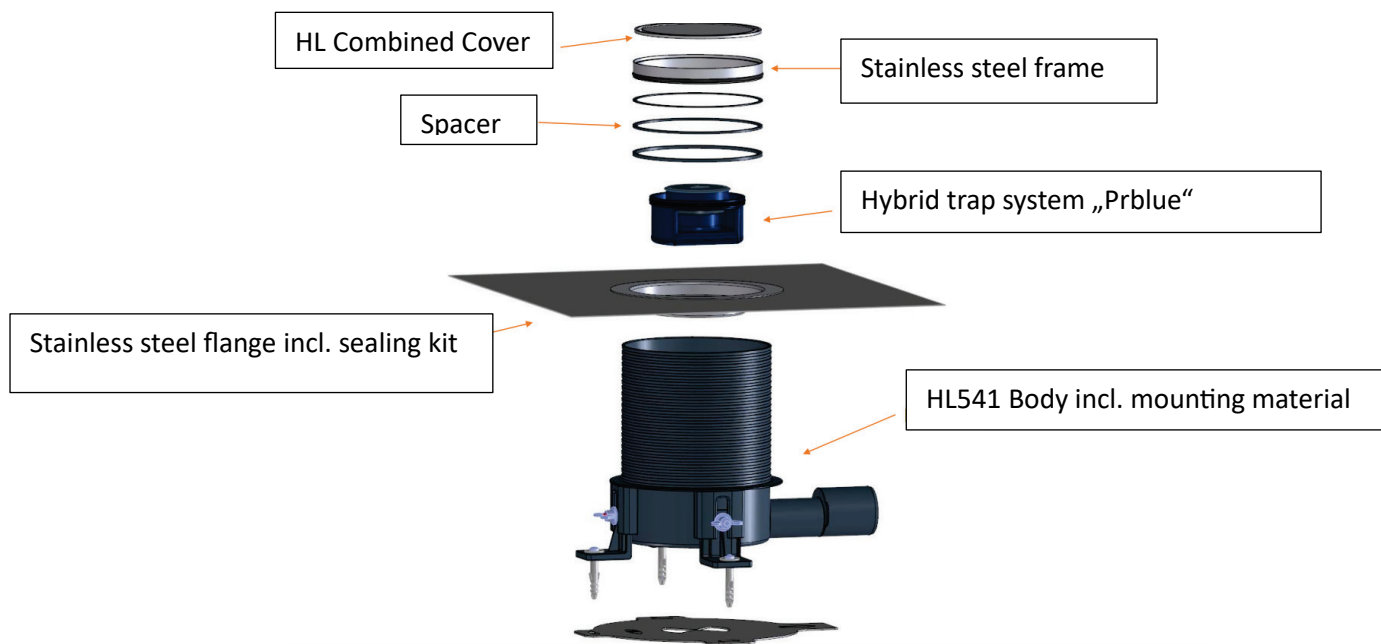
There is a wide range of different materials which can be used to create a seamless bathroom. The range is from liquid materials to materials which are applied by using a spatula. Following materials are particularly suitable for such projects:

- lime plaster (like microcement)
- Beton Ciré
- Synthetic resin
- Stone plaster

HL542Prblue Liquid

Our new „HL542Prblue Design Drain Liquid“ - especially designed for thin floor coatings - allows an easy and safe connection of the coating material to the drain. Furthermore, it can cover different surface thicknesses (1-7mm) due to the height adjustable stainless-steel frame.

HL542Prblue is based on a well-known and proven system similar to HL540 or HL570 and has the same body as the HL541 shower drain.



Features:

- **Easy assembly:** The body is directly connected to the raw concrete ceiling via three mounting angles. For the easy and correct positioning, a template is included.
- **Flexibility:** After finishing of the floor screed, it is possible to cut of the body in the correct position. This means that changes of the floor thickness and structure can be easily adjusted after the drain has been installed.
- **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.

- **No secondary drainage:** To prevent the floor surface from damages, caused by blockages and backflow, a secondary drainage is not applied. An O-ring sealing mounted on the stainless-steel frame protects the coating from water penetration.
- **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. The trap system is tight with overpressure of up to 800 Pascal and a negative pressure of -400 Pascal. Easy handling ensures fast and user-friendly cleaning.
- **HL Combicover:** 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



Figure 2 individual cover

Easy:

- Clearly defined interfaces across all construction phases based on different mounting sets
- Easy installation through the height adjustable drain body (System HL540/HL541/HL570)
- Adjustable to the finished floor level during the floor coating process based on the height adjustable stainless-steel frame. This promises compatibility with covering materials of different thicknesses.

Secure:

- The stainless-steel flange and frame guarantees a perfect connection to the coating material and prevents moisture from penetrating the floor surface
- The sealing kit ensures a leak tight connection to the drain body as well as the safe integration to the composite sealing.
- Improved safety protection against smells coming out of the drain, due to the Primus blue trap system which combines a mechanical trap and a classical water trap
- Backflow resistant up to a pressure of 0,5 meter water column = 0,05 bar