

Schomburg GmbH & Co. KG

Central application engineering, cert. WPK-Test Centre, Building material laboratory
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Study report 20/20 part 1

- Task:** Determination of the resistance of applied ASODUR-SG2 on concrete substrates against negative water pressure according to DIN EN 12390-8
- Client:** Schomburg GmbH & Co KG - M. Hölscher
- Test date:** October-November 2020
- Official in charge:** M. Hölscher, Th. Beyer
- Materials used:**
- | | |
|---------------------------------|-------------------------------|
| ASODUR-SG2 | Char.:061801043 |
| ASODUR-SG3-thix+0,5%ASO-FF | Char.:062001101 |
| Quartz sand 0.5-1.0mm | |
| Pavement slab 20x20 DIN EN 1339 | Local building material trade |
- Result:** The boards coated with ASODUR-SG2 resist a water pressure of 3 bar (30m water column) maintained for 48 hours. No water penetration could be detected on the coated side. A control plate without coating showed a strong water penetration after only 30 minutes at a water pressure of 1 bar.

Detmold, 17.11.2020


Thomas Beyer

Head of the test centre

Execution and data in annex

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Execution and data:

Before coating, the concrete slabs were stored in a climate of 20°C/55% relative humidity until the weight was constant.

Before coating, one of two slabs was moistened until a matt-damp substrate was created.

The coating of the panels was carried out by brushing and rolling crosswise with an area consumption of 800 g/m².

The boards were broadcasted with quartz sand 0.5-1.0 mm with an area consumption of 1.5 kg/m².



After curing of the surface, the side and bottom surfaces were coated with ASODUR-SG3-thix +0.5 % ASO-FF by brush application.



After a further storage period of 7 days in the climate, the panels were clamped in the test facility and subjected to 1 bar water pressure for 24 hours and 3 bar water pressure for 48 hours.

