

Test Report

on the impermeability of a watertight covering kit when subjected to movement of the underlying material

Tested material type: **Strip-shaped sealing:** both sides non-woven, highly tear-resistant and water-vapour retarding sealing membrane

Description: **LITEX Membranduk**

Client: **LITEX AS
Pindsleveien 4
N-3204 Sandefjord**

Date of order: 20.09.2017

Report no.: 79031702.003

Sampling: By the client and transferred to the test institute on 20.09.2017:
- **LITEX Membranduk**
sealing sheet
- **2-Komponent lim 9 kg + 5 kg**
waterproofing slurries
- **LITEX DS2 primer**
primer

Test procedure: **ETAG 022**
Guideline for European Technical Approval of watertight covering kits for wet room floors and/or walls
- **Part 2:** Kits based on flexible sheets
Annex B - „Impermeability when subjected to movement of the underlying material – Tensile and shear loading“

The test report comprises 2 pages.

The test results refer to the tested material.
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– Institut für Wand- und Bodenbeläge –
SÄUREFLIESNER-VEREINIGUNG E.V.

Im Langen Felde 4, 30938 Burgwedel · Telefon (0 51 39) 99 82-0 · Telefax (0 51 39) 99 82-40 · E-Mail: info@saeurefliesner.de



1. Short description of the procedure:

The waterproofing product is applied to chipboard sheets lying close together. After hardening the joint in the substrate is to expand up to a 2 mm gap causing tensile and shear load respectively. The water-tightness is tested by using a vacuum chamber producing negative pressure and water as a leak tracing liquid (indicating leakage by bubbling).

2. Installation:

The substrates were initially treated with **LITEX DS2 primer** spread out by roll. After drying of the primer **LITEX Membranduk** was adhered to the substrates with **2-Komponent lim 9 kg + 5 kg** (applied by roll).

3. Procedure:

After a hardening period of 7 days (storage at 23° C/50 % rel. hum.) 3 specimens were tensile loaded whereupon a gap of 2 mm was effected. Further the specimens of each variation were shear loaded, also up to a gap of 2 mm. After fastening the gap by placing spacers and waiting time of 5 minutes water as a leak-indicating liquid was applied on top of each specimen above the gap. With a vacuum chamber a negative pressure (20 kPA) was produced for 30 seconds. The area under test was observed through the transparent cover of the vacuum chamber in respect to any signs of a leakage indicating appearance of air bubbles.

4. Test result:

Leakages were not found during the test. **The watertight kit under inspection can be referred to as watertight under the tested load conditions.**

SÄUREFLIESNER-VEREINIGUNG E. V.
Institut für Wand- und Bodenbeläge

Head of the testing laboratory



Dipl.-Ing. Friedrich Höltkemeyer

Department manager



Dipl.-Ing. Tobias Mantlik



Großburgwedel, 16.11.2017
Mn/an