

Certificate

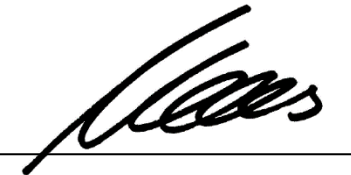
Thermal - hygric aging of the adhesive tapes
Knauf Insulation HOMESEAL LDS Soliplan and HOMESEAL LDS Solifit
bonded to the Vapor control layers
HOMESAL LDS 100, HOMESAL LDS 2 Silk and HOMESAL LDS FlexPlus

Test certificate for:	Knauf Insulation GmbH Heraklithstrasse 8 84359 Simbach am Inn
Certification Authority:	Universität Kassel, Fachgebiet Bauphysik
Subject of the test:	<p>The subject of the examination is the durability of the bonding of adhesive tapes with films and wood. The products marketed by Knauf Insulation GmbH, single-sided adhesive tapes „HOMESEAL LDS Soliplan“ and „HOMESEAL LDS Solifit are adhered to the reference substrates:</p> <ul style="list-style-type: none">- Beechwood plates according to DIN EN 204/205- boPET-film 50 µ highly transparent, biaxially stretched <p>as well as the vapor control layers:</p> <ul style="list-style-type: none">- HOMESEAL LDS 100- HOMESEAL LDS 2 Silk- HOMESEAL LDS FlexPlus <p>and subjected to artificial aging to test the durability of the bond.</p> <p>The samples are bonded horizontally with a contact pressure of 20 N. The sample width is 25 mm. The bonded area is 25 x 25 mm. The compounds with beech wood are subjected to the 180° peel test, the compounds with films to the T-peel test. The peel tests are implemented at a peeling rate of 10 mm / minute and 100 mm / minute before and after artificial aging.</p>
Artificial aging:	<p>The duration of conditioning is 120 days. Artificial aging takes place acc. ASTM D 3611 in a climate of 65 °C air temperature and 80 % relative humidity. The test is carried out according to the draft DIN 4108-11 (October 2015) "Minimum requirements to the durability of bond strength with adhesive tapes and adhesive masses for the establishment of airtight layers".</p>

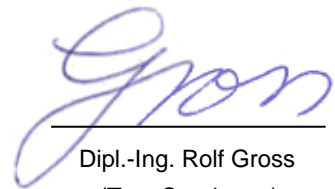
Test results: The stress caused by accelerated aging for 120 days did not lead to any failure of any of the adhesives tested.
All tested combinations meet the requirements of DIN 4108-11 (Draft 10/2015).

Test report: 655005

Kassel, November 2017



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