



Ege Carpets A/S
Industrivej Nord 25
7400 Herning
Denmark

Your Reference
Customer Number 40201
Contact Person Weissenborn Lene
E-Mail lbm@ege.dk

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Test Report VN720 170842.2

Application

Determination of the water vapour transmission properties according to EN 12086.

Test Material

"Epoca Structure wt"

The test material used for testing was made anonymous for laboratory purposes.
A detailed sample list is included in the document.

Issuing

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OETI - Institute for Ecology, Technology and Innovation GmbH

Ing. Hannes Vittek

Manager Flooring Technology & Interior Design

ÖTI - Institut für Ökologie, Technik und Innovation GmbH | Spengergasse 20, 1050 Vienna, Austria
tel +43 1 5442543-0 | e-mail office@oeti.biz | www.oeti.biz | FN 326826b | VAT No. ATU65149029 | EORI ATEOS1000015903
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1 Application

Date of Order	Scope of Order
24.06.2020	Description Of Specimen - Textile Floor Coverings - EN 1307 Determination Of water vapour transmission properties - EN 12086

2 Samples

No.	Receipt	Sample Identification
1	24.06.2020	"Epoca Structure wt"

(Unless otherwise stated samples are provided by the customer.)

3 Tests Performed / Results

3.1 Description of Specimen

Tested sample: "Epoca Structure wt"

Manufacturing procedure:	woven
Material of pile/wear layer:	100% Polyamide (according to the specification by the applicant)
Structure of use surface:	flat woven, structured
Colouring:	multicolored unpatterned
Secondary backing:	textile backing
Dimensions:	rolls
Type of floor covering:	Textile floor covering without pile according to EN 1307

3.2 Determination of the water vapour transmission properties

Test conditions

According to: EN 12086

Conditioning: 23°C / 50 / 93 % relative air humidity

Specimen: 4 pieces with 50 cm² permeation area

Test location: OFI 20013933 / 11517

Tested sample: "Epoca Structure wt"

	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Mean value	Standard deviation
Thickness of individual specimen [mm]	4.0	4.0	4.0	4.0	--	--
Water vapor permeability [g/m ² .d]	56.9	56.4	48.8	53.1	53.8	3.7
Water vapour diffusion flow [kg/h]	1.18 x 10 ⁻⁵	1.17 x 10 ⁻⁵	1.02 x 10 ⁻⁵	1.11 x 10 ⁻⁵	1.12 x 10⁻⁵	--
Water vapour diffusion permeability coefficient [kg/m ² .h.Pa]	1.97 x 10 ⁻⁶	1.95 x 10 ⁻⁶	1.69 x 10 ⁻⁶	1.84 x 10 ⁻⁶	1.86 x 10⁻⁶	--
Water vapour conduct permeability coefficient [kg/m.h.Pa]	7.89 x 10 ⁻⁹	7.74 x 10 ⁻⁹	6.80 x 10 ⁻⁹	7.29 x 10 ⁻⁹	7.43 x 10⁻⁹	--
Water vapour diffusion resistance factor [μ-value]	84	86	99	92	90	6.8
Water vapor diffusion equivalent air layer thickness [m]	0.3	0.3	0.4	0.4	0.4	--

4 Remarks

Period of Validity

There are no regulations concerning duration of validity in the individual test standards. As the results of the examinations refer only to the submitted and examined samples, the report is valid for these for an unlimited period. A period of validity specified as part of an expert evaluation is in the discretion of the consultant or OETI. The applicability of results and expert evaluations for materials not tested is in the responsibility of the applicant. Whereby an apportionment of results as well as any specified period of validity can only be done for identically constructed products and only as long as the product is produced unchanged. Possible national or international restrictions concerning the terms of usability of test and classification reports have to be considered; this is not the responsibility of the test laboratory.

Sample Material

Results of performed tests only refer to the sample material provided. Without explicit written other agreement testing is destructive and the sample material is transferred to the property of OETI, which is entitled to freely decide on storage and disposal.

Issuing

The valid first issue is done in paper and has single-handed signatures. Translations will be marked accordingly on the cover sheet.

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In this report individual non-accredited test procedures are marked with *. Nevertheless, the analysis was also carried out for these parameters at the same level of quality as for the accredited parameters.

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End of Report