



## Report VN720 147227.1 Test Report

### Applicant

EGETAEPER A/S  
Industrivej Nord 25  
7400-Herning  
Denmark

### Reference

Lenette Ormstrup

### Application

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

### Test material

„Epoca Ribs wt“

Material used in testing was anonymized for laboratory purposes. A detailed sample list is contained in the report.

### Issuing and Signatures

Number of pages contained: 4  
Original Issue / Vienna 17.01.2019 / da2

Authorised for Institute  
Ing. Hannes Vittek

A handwritten signature in blue ink, reading 'i.v. Zamböck', positioned above a horizontal dotted line.

## Contents

1	Order .....	2
1.1	Chronology .....	2
1.2	Samples .....	2
2	Findings / Tests performed.....	2
2.1	Beschreibung des Prüfmusters .....	2
2.2	Determination of the water vapour transmission properties.....	3
3	Remarks .....	4

## 1 Order

### 1.1 Chronology

Date	Received	Order
24.10.2018	25.10.2018	Determination of the water vapour transmission properties according to EN 12086.

### 1.2 Samples

Nr.	Received	Sample Identification
1	25.10.2018	„Epoca Ribs wt“ (Unless otherwise stated samples are provided by the customer.)

## 2 Findings / Tests performed

### 2.1 Beschreibung des Prüfmusters

#### Test results

Tested sample: 1

Manufacturing procedure:	tufted
Material of pile/wear layer:	100% Polyamide (according to the specification by the applicant)
Primary backing:	non woven
Structure of use surface:	loop pile
Colouring:	uni
Secondary backing:	textile backing
Dimensions:	rolls
Type of floor covering:	Pile carpet

**The submitted specimen is a Pile carpet according to EN 1307.**

## 2.2 Determination of the water vapour transmission properties

### Test conditions

According to: EN 12086

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

Substrate: Fibre cement boards according EN 13238 (5.1.2)

Specimen: 3 pieces with 50 cm<sup>2</sup> permeation area

Weighing instrument: Fa. Satorius Modell/Type LP52002

Test location: OFI 18.02018

### Test results

Tested sample: 1

	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5	Mean value	Standard deviation
Thickness of individual specimen [mm]	5,4	5,5	5,3	5,5	5,4	--	--
Water vapor permeability [g/m <sup>2</sup> .d]	40,1	36,1	62,3	48,3	67,9	<b>50,9</b>	<b>6,2</b>
Water vapour diffusion flow [kg/h]	8,35 $\times 10^{-6}$	7,52 $\times 10^{-6}$	1,30 $\times 10^{-5}$	1,01 $\times 10^{-5}$	1,41 $\times 10^{-5}$	<b>1,06 <math>\times 10^{-5}</math></b>	--
Water vapour diffusion permeability coefficient [kg/m <sup>2</sup> .h.Pa]	1,39 $\times 10^{-6}$	1,25 $\times 10^{-6}$	2,15 $\times 10^{-6}$	1,67 $\times 10^{-6}$	2,35 $\times 10^{-6}$	<b>1,76 <math>\times 10^{-6}</math></b>	--
Water vapour conduct permeability coefficient [kg/m.h.Pa]	7,53 $\times 10^{-9}$	6,83 $\times 10^{-9}$	1,15 $\times 10^{-8}$	9,24 $\times 10^{-9}$	1,26 $\times 10^{-8}$	<b>9,53 <math>\times 10^{-9}</math></b>	--
Water vapour diffusion resistance factor [μ-value]	90	99	57	72	52	<b>74</b>	<b>9</b>
Water vapor diffusion equivalent air layer thickness [m]	0,49	0,54	0,31	0,40	0,28	<b>0,40</b>	<b>0,05</b>

### 3 Remarks

#### 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 the 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 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 ÖTI, which is entitled to freely decide on storage and disposal.

#### Issuance

The valid first issue is done in paper and has single-handed signatures. For reference purposes and filing an unsigned electronic duplicate can be delivered in pdf format. Duplicates and translations will be marked accordingly on the cover sheet.

#### Quality management, Accreditation and Notification

All tests and services are performed under a quality management system according to EN ISO/IEC 17025 respectively EN ISO/IEC 17065.

OETI is accredited as Testing Laboratory and Certification Body for products. It also is a Notified Body for several directives with the registration number 0534 (see <http://ec.europa.eu/enterprise/newapproach/nando/>). Accreditation was provided by Akkreditierung Austria. The scope of accreditation is listed on [www.oeti.biz](http://www.oeti.biz). Due to the system for the mutual recognition of national accreditations (ILAC/IAF), this accreditation is valid worldwide.

According to the decree on the use of the accreditation mark ("AkkZV") the accredited Conformity Assessment Body is the only one to use the accreditation mark. Application of the registration number of the Notified Body: As to personal protective equipment (PPE) the requirements of Regulation (EU) 2016/425 have to be kept. With construction products the application is only permitted within the declaration of performance for CE-marking.

#### Copyright and Usage Notes

It is pointed out, that any alterations, amendments or falsifications of reports not authorized by the issuer of the report will be prosecuted as civil and criminal offences; this especially to the appropriate requirements of ABGB, UrhG, UWG and criminal law and their respective international equivalents.

Reports are protected under international copyright laws. Written consent of the OETI is required for publications (also in excerpt) and reference to tests for public relation purposes. Reports may only be reproduced in full length.

End of report