

Test Certificate No. 220006407-e

13. May 2008

Client
HALCOR S.A.
57th km Athens – Lamia National Road
320 11 Inofyta
Greece

Date of order
09.01.2008

Receipt of samples
11.02.2008

Date of testing
11.02.2008 – 28.04.2008

Order

Determination of water vapour transmission properties:

- Density of water vapour flow rate
- Water vapour resistance factor μ
- Water vapour diffusion-equivalent air layer thickness s_d

Samples

One section ca. 0,5 m² of sheet material

Designation:	Ecutherm Laminated
Material:	Cross linked polyethylene (PEX) foam, nominal thickness 9 mm, unilaterally laminated with polyethylene film 80 μ m
Colour:	Natural/colourless
Density:	30 kg/m ³ (specified by the client)
Thickness:	9,2 mm (measured mean value)

Description of the tests

- **Density of water vapour flow rate, water vapour resistance factor μ and water vapour diffusion-equivalent air layer thickness s_d**

According to DIN EN ISO 12572:2001-09 „Hygrothermal performance of building materials and products - Determination of water vapour transmission properties“

Number of specimens:	5
Number of dummy specimens:	1
Test condition:	23-0/85
Assembly:	Laminated surface of sample positioned on the humid side
Drying agent:	Calcium chloride

The results of the tests relate exclusively to the specimen(s)/item(s) tested as described above.

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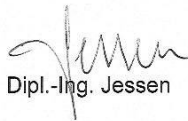
This test certificate consists of 2 pages.

Results of the tests

Properties	Unit	Extreme values		Mean value	Coefficient of variation %
Density of water vapour flow rate	g/(m ² ·d)	0,503	0,777	0,598	21,2
	kg/(m ² ·s)	5,82·10 ⁻⁹	9,00·10 ⁻⁹	6,92·10⁻⁹	
water vapour resistance factor μ	-	5599	9094	7667	20,5
water vapour diffusion-equivalent air layer thickness s _d	m	52,5	81,1	70,3	18,6

Dortmund, 13. May 2008

By Order


 Dipl.-Ing. Jessen

