

Determination of water vapour permeability acc. to EN 12086

Test report no.: R-48a/05

Applicant: UNION FOAM S.p.A., 20040 Bellusco (Mi), Italy
Product name: EUROBATEX
Material designation: 19 mm
Material description: Sheet for thermal insulation made of flexible rubberfoam with closed cells and skins on both sides; Colour: black; Nominal thickness: 19mm.
Origin of the material: Samples were sent by the applicant to the FIW in April 2005. Goods receipt no.: 6249.
Test procedure: Determination of water vapour permeability in accordance with EN 12086 Test conditions according to clause 7.1.A: 23-0/50 (drycup). Specimen: cylindrical. Diameter: 140mm.

Conditioning:

Period of testing: May – July 2005

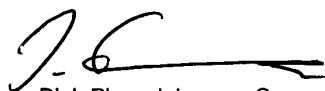
Results: The water vapour diffusion resistance index μ and the corresponding water vapour permeability δ has been tested at five specimens with an average density of 56 kg/m³:

Specimen no.	thickness d mm	density kg/m ³	water vapour resistance index μ	water vapour permeability δ kg/(m ² s Pa)
1	20,4	55,4	>7000	< 3,0 · 10 ⁻¹⁴
2	20,5	56,8	>7000	< 3,0 · 10 ⁻¹⁴
3	20,8	55,2	>7000	< 3,0 · 10 ⁻¹⁴
4	20,1	54,9	>7000	< 3,0 · 10 ⁻¹⁴
5	20,1	55,6	>7000	< 3,0 · 10 ⁻¹⁴
average	20	56	>7000	< 3,0 · 10 ⁻¹⁴

Remarks: The measured values are applicable only for the tested specimens with the thickness d and the chosen test conditions 23-0/50.

Gräfelfing, 03.08.2005

Department specialist


Dipl.-Phys. Johannes Cammerer



Examiner


Gerhard Treiber