



TEST REPORT

(This Report is issued subject to the terms & conditions set out below)

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Your Ref: PO 00004699
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Subject : Determination of water vapour transmission of Cross Linked Polyethylene Sheet Foam (K-FLEX K-PROTECT) requested by K-Flex Malaysia Sdn Bhd.

Tested for : **K-Flex Malaysia Sdn Bhd**
Lot 2752 Jalan Raja Nong
Taman Klang Jaya
41200 Klang
Selangor Darul Ehsan
Malaysia
Attn: Mr Andy Goh

Method of Test : BS EN 12086:2013

Description of Samples : 6 nos. of foam sample with aluminum top approximately 90 mm diameter x 28 mm thickness were received.

Results : Refer to Page 2.

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Results:

Table 1: Water Vapour Transmission

Sample Reference	Cross Linked Polymer Sheet Foam (K-FLEX K-PROTECT)		
Specimen Reference	S1	S2	S3
Date of Test Commencement	27/12/2017		
Date of Test Completion	30/01/2018		
Test Condition	23°C, 50% RH		
Test Method	Calcium Chloride		
Test Area (m ²)	0.007696		
Average Thickness (mm)	27.28	27.25	27.15
Water Vapour Transmission (mg/m ² .h)	2.08	2.21	1.40
Average Water Vapour Transmission (mg/m ² .h)	1.9		
Water Vapour Diffusion Resistance Factor, μ	70320	60046	49025
Mean Water Vapour Diffusion Resistance Factor, μ	59797		
Water Vapour Diffusion Equivalent Air Layer Thickness (m)	1918	1636	1331
Water Vapour Diffusion Equivalent Air Layer Thickness (m)	1628		

F hr

Murugan Soundarya
Testing Officer

Cl

Shirley Lim Suidi
Executive Engineer (CMTD)
Construction Technology Division