



## **BFRC Air Permeability Test method following the principles of BS EN 1026:2000 Windows and Doors**

Client: Fabco Sanctuary Ltd

Project: BFRC Air Permeability test on Steel Double Leaf Door

Project reference: W16060-1

Issue date: in Draft

Test date: 09 - 08 - 2016

Items tested: 1 no. Double Leaf Door

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## 1.0 Summary

The BFRC Air Permeability at 50Pa was commissioned by Fabco Sanctuary Ltd, Hobbs New Barn, Climping, West Sussex, Littlehampton, BN17 5RE and was performed in accordance with the following method:

BFRC Energy Rating Guidelines

Air Permeability tests following the principles in BS EN 1026:2000.

This report only relates to the actual sample tested.

## 2.0 Test Specimen

The specimen was received on 21<sup>st</sup> July 2016.

Sample type: Steel Double Leaf Door  
 Brand/range name: Fabco W20 Double Leaf Door  
 Material: W20 Steel welded sections  
 Finish: Black  
 Construction: Frame: W20 Steel  
 Sash: W20 Steel  
 Mullion: W20 Steel  
 Fittings: Frank Allant door handles  
 Frank Allant sliding bolts (2 no.)  
 Weatherseals: EPDM gaskets  
 Glazing: Double glazed, 4-10-4 mm sealed units  
 2no. 942 x 1085 x 18mm  
 2no. 942 x 756 x 18mm  
 2no. 842 x 246 x 18mm  
 Dimensions: Outer frame (w x h x t): 2000 x 2130 x 37.5mm  
 Opening light (w x h x t): 1000 x 2160 x 37.5mm

## 3.0 Test Details

Test Date: 09 - 08 - 2016

Test conditions in accordance with standard.

## 4.0 Results

Average between positive and negative pressure						
Air Pressure (Pa)	Positive pressure		Negative pressure		Mean	
	Net permeability per m <sup>2</sup> area (m <sup>3</sup> /h·m <sup>2</sup> )	Net permeability per m opening length (m <sup>3</sup> /h·m)	Net permeability per m <sup>2</sup> area (m <sup>3</sup> /h·m <sup>2</sup> )	Net permeability per m opening length (m <sup>3</sup> /h·m)	Per m <sup>2</sup> area (m <sup>3</sup> /h·m)	Per m opening length (m <sup>3</sup> /h·m)
50	3.53	1.45	3.89	1.60	3.71	1.53

**5.0 Test Specimen Photograph**

