



South African Fenestration & Insulation
Energy Rating Authority



National Fenestration
Rating Council®

**Country
Representative**



Postal Address:
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1685

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Administered by



SAFIERA ENERGY RATING CERTIFICATION

 	Moonstar uPvc	
	Everest Max top and side hung window	
	ENERGY PERFORMANCE RATINGS	
	U-Value (W/m ² .K)	Solar Heat Gain Coefficient
	4.3	0.50
	ADDITIONAL PERFORMANCE RATINGS	
	Air Infiltration	Visible Transmittance
0.28 l/m²/s	0.53	
MECHANICAL PROPERTIES		
Category	Design Wind load	
A6	3500 Pa	
<p>The Manufacturer stipulates that these ratings conform to applicable SAFIERA procedures for determining whole product performance. SAFIERA ratings are determined for a fixed set of environmental conditions and a specific product size. SAFIERA does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.</p>		

Applicant:

Moonstar uPvc
Unit 7 Gallagher Place
South Richards Drive, Midrand
1685

Product Information:

Frame material: uPvc
Product name: Decevninck Everest Max 60mm
Dimensions: 1200mm wide x 1500mm high
Drawing #: Moonstar
Glass: 6.38mm Intruderprufe
SAGDB#: ZA100100

Testing Protocol

Mechanical Properties: SANS 613:2011
Computer Simulation: NFRC 100, NFRC 200
NFRC-2010, ISO 15099

Certification Authority:

Mechanical Testing Facility: Simulator:
SABS SG
Project #: GT-1393 Certificate #: SRC0002
Certificate #: D1521
Date: 21 August 2018 Date: 23 October 2018

Date of Issue: 29 October 2018

CERTIFICATE #

FS 0079


 SAFIERA
Administrator


 AAAMSA
Executive Director

Note:

This certificate is not transferable and applies only to the test unit provided for testing by the applicant. Fenestration manufacturers must individually test their workmanship in respect of the mechanical performance of the manufactured product. See reverse of this page.

THERMAL TESTING

This Certificate applies only to the specimen tested.

1. The U-value indicated in this certificate obtained by actual test conducted through Simulation.
2. For full details and finding of the test reference is to be made to the actual test report issued by Simulator and referenced in this Certificate.

MECHANICAL TESTING

1. Sample

The sample together with three (3) sets of full sized details shall be provided by the applicant to the testing authority without charge. After testing, one set of full size details shall be retained by the applicant and one set by AAAMSA in their original form.

2. Test Results in accordance with SANS 613:2011

The Test Results recorded are accepted by the applicant as being applicable and restricted only to the sample and the testing thereof under the standard laboratory testing conditions and procedures of the testing authority, and no other product or unit apart from the sample itself or said testing conditions or procedures are to be implied.

3. Extended Applicability

The Performance Test Certificate applies equally to products of the same nature and function as that tested which products shall be identical in construction and configuration to the test sample, save only that the overall sizes recorded in the section B of the Certificate and the size of any ventilator, or subunit may be reduced.

4. Testing Authority

The testing authority shall not be responsible or liable to the applicant for any loss or damage of whatsoever nature and howsoever arising in any way connected with or consequent upon the test carried out or the report finished which shall be at the risk of the applicant. The applicant hereby indemnifies the testing authority and holds it harmless against any claims as herein contemplated by any third party.

COMPUTER SIMULATION

1. Energy Rating properties in this report are based on NFRC-2010 environmental conditions. These environmental conditions are for benchmarking purposes only. Computer Simulation does not imply or claim that the product simulated in this report will perform as stated in actual, variable conditions of use.
2. Rated properties are based on NFRC technical procedures NFRC 100 (U-factor), NFRC 200 (Solar Heat Gain Coefficient). The terms "U-factor" and "U-value" are synonymous.
3. This report is based on input data supplied by the Applicant and all information in the primary table of this report is consistent with NFRC reporting requirements.
4. This report does not constitute complete certification of this product and only relates to the fenestration product simulated.
5. Rounding of values in this report is 1 decimal place for U-factor and 2 decimal places of SHGC, per NFRC unit conversion and rounding policy, modified for the needs of SI units.

General

1. The applicant hereby indemnifies the Association of Architectural Aluminium Manufacturers of South Africa (AAAMSA) and holds it harmless against any claims as herein contemplated by any third party.
2. This test certificate is not transferable to any third party.