

SIMULATED ENERGY PERFORMANCE RATINGS

DATA COMPLIES WITH SANS 10400 PART XA
SIMULATION AND CALCULATIONS ACCORDING TO NFRC AND ISO STANDARDS

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Alsysco Thermeco Wall FG50 Sample

Aluminium Frame

1000 mm W x 2000 mm H

Glass Name: BPGN140124 SolarVue HL Neutral LowE[E] - 12 Air - 6mm Clear Float (ClearVu)

Glass IGDB: 16003E-12-16017

Spacer: Generic Nonmetal Spacer

WINDOW ENERGY PERFORMANCE RATINGS

U-Factor (W/m ² K)	Light to Solar Ratio
2.7	1.03
Solar Heat Gain Coefficient	Visual Transmittance
0.33	0.34
Relative Heat Gain- SA Summer (W/m ²)	Solar & UV Damage - Tdw-ISO
237 + 21 = 258 (SHGC) (U-Value)	0.28

GLASS TEMPERATURES – CLEAR SA WINTER NIGHT

Outside Air (°C)	Outside Surface (°C)	Inside Surface (°C)	Inside Air (°C)
0.0	1.3	15.5	21.0

GLASS TEMPERATURES – CLEAR SA SUMMER DAY

Outside Air (°C)	Outside Surface (°C)	Inside Surface (°C)	Inside Air (°C)
32.0	50.7	35.0	24.0

GLASS COLOUR PERFORMANCE

Colour Rendering Index	Listed Glass Colour
94	N/A

**Please see the BuildingPhysics Information Sheet for further details.
See AAAMSA Certificates for SANS613 Mechanical Data.**

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Based on data supplied by Manufacturer. BuildingPhysics take no responsibility for errors and omissions in data supplied by Manufacturer. Ratings conform to applicable ISO and NFRC procedures and AAAMSA requirements where they exist. Simulated Energy Ratings determined are for specific glass type, frame layout and size. BuildingPhysics does not recommend any product and does not warrant the suitability of any product for any specific use.

For further information please feel free to contact frames@buildingphysics.co.za, or see www.buildingphysics.co.za.

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