

DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

NO. 3848

1 September 2023



AGRÉMENT SOUTH AFRICA

(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 30 March 2023, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE

Agrément Certificate 2023/640

Subject: Glasroc X Exterior Wall Cladding System

Certificate holder: Saint Gobain Construction Systems SA (Pty) Ltd

Description: Glasroc X Exterior Wall Cladding System is an exterior wall cladding system that is designed following the requirements of **SANS 517:2009**

The wall cladding system consists of a 90 mm thick steel framework system using compressed 102 mm thick Isover Cavitybatt, sandwiched between a 12.5 mm thick Gyproc Glasroc® X board and 15 mm thick Rhinoboard® Firestop®. Polyethylene membranes to prevent moisture penetration and either rendered or skimmed on the surfaces.

The vertical steel members of the wall cladding are spaced at 600mm between centres, with horizontal members spaced at 1200 mm centres. An 8 mm thick reinforced rendering system is used as a final layer covering the 12.5 mm thick Glasroc® X board.

Glasroc X Wall Cladding System is manufactured in two wall thicknesses:

Composition of Exterior Wall Cladding System	
148 mm	12.5 mm thick Gyproc Glasroc® X board + 1.6 mm thick flat security mesh metal sheet(optional) + 8 mm thick a.b.e drain high-density Polyethylene (HDPE)

	Membrane +90 mm thick Light Steel Framework + 2 x 15 mm thick Rhino Board® FireStop®+ 8 mm Reinforced Rendering System
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On the exterior side of the wall cladding, the Light steel framework is lined with a layer of a 1.6 mm thick flat security mesh metal sheet, covered by a layer of 8 mm thick a.b.e drain high-density Polyethylene (HDPE) Membrane that is used as a thermal bridging strip between the Light Steel framework and the Glasroc® X board. The Glasroc® X board is fixed to the framework using Gyproc Jack point screws (corrosion resistant, Zinc coating) 60mm (base layer) at 150 mm centres. Glasroc® X board is finished with a reinforced Jointed or Skimmed Finish layer per the manufacturer's specification.

On the interior side of the wall cladding, the Light Steel framework is lined with a layer of Builder's Polythene Membrane, covered by a 15 mm thick RhinoBoard® FireStop®, fixed to the framework using Gyproc Jack point screws 25mm (base layer) at 220mm centres.

Doors and window frames are conventional, they can either be galvanised steel, Aluminium or UPVC, and the roof is also conventional, and it must be secured to the walls by SANS 517:2009.

This certificate and Agrément South Africa's evaluation apply only to Glasroc X Exterior Wall Cladding System buildings designed and erected as described and illustrated in this certificate and where the terms and conditions of certification are complied with.

The Agrément certificate contains detailed information on the product and can be accessed at <http://www.agrement.co.za>.

Copies are obtainable from: Chief Executive Officer (CEO)

Agrément South Africa, P O Box 72381, LYNNWOOD RIDGE, 0040