



Specifications are NOT PROJECT SPECIFIC and need to be approved by a project professional before use to ensure that they meet with the specific project requirements. SPECIFICATIONS NOT TO BE MODIFIED to suite without approval. **SPECIFICATIONS FOR INFORMATION ONLY.** The specification should be read in conjunction with Saint-Gobain current literature available on www.gyproc.co.za.

Gyproc Skimmed Ceiling System 12.5 mm - Gypframe® N with Threaded Bar

| | | | | | |
|---|---|----------------|-----------------------|--------------------|----------------|
|  |  | NRC | Board/ Tile size (mm) | Soffit Type | Finish |
| Not Applicable | Unclassified | Not Applicable | 1200 x 2400-3600 | Concrete Flat slab | Skimmed Finish |

System Overview

1x RhinoBoard® 12.5 mm (locally manufactured, ISO 9001 & 14001 certification, recycled paper content, Greentag Level B) fixed to Gypframe® N Cross Furring Channel using Gyproc Sharp-point Screws 25 mm at maximum 150 mm centres. Gypframe® N Main Bar installed at 1000 mm centres and suspended using Threaded Bar 6 mm dia. (supplied by others) at 990 mm centres. Gypframe® N Cross Furring Channel at 600 mm centres (17 notches) clipped onto Gypframe® N Main Bar. Apply Gyproc RhinoTape® to all joints and internal corners. Install Gypframe® Corner Bead to all external corners. Cover Gyproc® RhinoTape® with 1 layer of Gyproc RhinoLite® Multipurpose/ RhinoLite® Natural Plus®/ RhinoLite® CreteStone® (locally manufactured, Greentag Level B). Wall Angle – Fix Gypframe® N Square Wall Angle to the wall using fixings at 300 mm centres. Install 135 mm thick flexible, non-combustible, lightweight Aerolite® insulation material between the roof trusses and over bracker/purlins in a completed roof and ceiling system. Install in accordance with the manufacturers detail and specification.

System Information

Installation guide of the access panel

Step 1: Determine the position of the access panel and type of access panels selected in the drawings.

Step 2: Mark the position on the ceiling on which the boards have been installed.

Step 3: Use a knife or saw to cut the gypsum ceiling according to the marking.

Step 4: Reinforce the frame at the position of access panels with the Gypframe® N Cross Furring Channel.

If the Gypframe® N Main Bar has been cut, we must reinforce the Gypframe® N Main Bar by hanging more hangers right at the end of the cut Gypframe® N Main Bar.

Note: In case the air conditioning diffusers are put at the vertical drywall, M&E contractors must be requested to reinforce the position around the diffusers and are not allowed to put the diffusers on the frame.

| Energy Zone | 1 | 2 | 3 | 4 | 5 | 5H | 6 | 7 |
|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Isover Aerolite® thickness (mm) | 135 | 135 | 135 | 135 | 135 | 100 | 135 | 135 |
| R-value of Aerolite® | 3.38 | 3.38 | 3.38 | 3.38 | 3.38 | 2.5 | 3.38 | 3.38 |
| Min. required total R-value | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 2.7 | 3.7 | 3.7 |

Where required, for improved thermal and/or acoustic performance, lay Isover insulation (locally manufactured, non-combustible to SANS 10177-5, SABS Mark) onto the ceiling.

Thickness: 100 mm/ 135 mm (according to energy zone, see table above)