

# Ali Fab

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## ROOF GRIP SPECIFICATION

Reg. No.: 2010/025574/23

416 RG600 Rev 0

### **DESCRIPTION:**

This specification relates to the design and application of the Roof Grip Access Walkway **RG400**

### **PURPOSE:**

This document describes the attributes of Roof Grip Access Walkway RG400 to ensure its safe application.

### **SPECIFICATION:**

#### **Application:**

Roof Grip RG400 is designed to give safe and controlled access across metal roof sheet installations.

It is designed for use on roof pitches up to 10 Deg.

#### **Loading:**

Roof Grip is designed with a calculated load carrying capacity of 1.5kn/m<sup>2</sup> (as required by SANS 10160-2:2010 Table 2 Category E4) for maintenance walkways, bearing in mind this carrying capability will be limited by the roof structure design. The support brackets for the product must be spaced at no more than 850mm in order to comply with this load criteria.

#### **Design:**

Roof Grip RG400 makes use of Ampligrip type 201 as its floor panel. Ampligrip is an expanded aluminium floor grating that is designed to comply with the requirements of ISO 14122-2, Working Platforms and Walkways, when at a width of 600mm.

Roof Grip RG400 takes the standard 600mm wide grating and splits it into two parts, 400mm and 200mm. 2 off the 200mm panels are then welded together to form another 400mm panel. A ridge seam clamp, that is designed to suit the roof sheet profile, is used to fix the walkway to the roof sheeting. The seam clamp also elevates the walkway above the roof sheet. The seam clamp position is determined by the ridges of the roof sheet profile, up to a maximum of 850mm.

Depending on the roof sheet profile and the spacing of the roof sheet ridges, the floor grating is either mounted directly onto the seam clamps or onto a bearer positioned on the seam clamps.

#### **Life Span:**

The product is designed with a life span in excess of 20 years, with the minimum of maintenance, under normal use conditions.

#### **Weight:**

The aluminium walkway and brackets weigh approximately 3.7kg/lm (RG400).

#### **Banding:**

Roof Grip floor panels are available banded or un-banded.