



# Installation

## UPM ProFi® Alu Support Rail Small

The black powder-coated UPM ProFi Alu Support Rail Small, measuring 40 x 23 x 1800 mm, features an integrated UPM ProFi Rubber Pad and has a mounting height of just 23 mm under the decking boards.

### **Substructure**

The UPM ProFi Alu Support Rail Small is laid on hard surfaces such as an existing hard landscape or balconies with tiling, paving, exposed aggregate finishes or concrete slabs. As this product is usually used with existing hard surface or balcony areas, there are almost always height restrictions that require mounting height to be kept to a minimum. Factors such as the height of the structure in relation to railings or terrace doors must be considered. With railings, the safety height must also comply with regulations. The UPM ProFi Alu Support Rail Small, with its low mounting height of only 23 mm incl. UPM ProFi Rubber Pad is ideal in these situations. Where the installation direction of the decking boards can be varied, ensure that the substructure does not hinder the drainage of surface water. If the rails are positioned at 90 degrees to the direction of the water flow, the rubber granulate layer can be supplemented with additional rubber pads laid underneath (preferably 8 mm). This allows water to drain around the profile base. The spacing of the support points must not exceed 350 mm (centre to centre). When the support rail is laid on special or welded bituminous sheeting, the UPM ProFi Alu Support Rail Small will provide downward structural protection thanks to the built-in rubber pads. When laid on PVC surfaces, an impervious material should be placed between the rubber pad and the PVC to prevent plasticiser migrating from the PVC and degrading the pad (if necessary, consult the PVC sheeting manufacturer for more information). The UPM ProFi Alu Support Rail Small cannot be used in combination with UPM ProFi Foot.

### **Cutting and joints**

The rails can be extended as far as required. They can be cut to size using a cross-cut hacksaw with a carbide-tipped blade. Partial sections should not be shorter than 300 mm. Ensure that joints do not run in a line; always offset each joint sufficiently from the preceding joint. The deck structure will obtain its stability from the decking boards that are installed at a later stage. Install the rails with a distance of 20 mm towards walls or other fixed elements, and 10 mm between two support rails (butt joint). Due to differences in system lengths and the planned size of the area of decking, it will usually be necessary to have joints in the decking boards. The position of the joints should be planned and determined beforehand, as two Alu support rails must be laid in parallel at every break between the decking boards. Never allow the ends of two deck boards to be supported by a single UPM ProFi Alu Support Rail Small. The substructure must always be screwed to the base surface. If fixing to the ground is not possible (e.g. with flat roofs or roof terraces), the subconstruction must be built as a rigid framework with cross-members. The maximum distance of cross-members must not exceed 2 m (centre to centre).

### **Fixing the decking boards to the UPM ProFi Alu Support Rail Small**

Please note that UPM ProFi screws 4 x 40 mm cannot be used to fix UPM ProFi Deck boards to the Alu Support Rail Small as they are too long. On UPM ProFi Alu Support Rail the deck boards must be fixed with A4 4x24 mm / A2 3,9 x 22 mm screws (sold separately). For the single direct fixing of each deck board please use UPM ProFi 3,9 x 22 mm screws (sold separately). Do not use screws of inferior quality as they may rust and mark or stain the new floor.

For further information like decking installation instructions and updated advice, please visit [www.upmprofi.com](http://www.upmprofi.com)

### **ALU SUPPORT RAIL SMALL**

**Colour** Black

**L** 1.8 m, **W** 40 mm, **H** 23 mm

**Material requirements per m<sup>2</sup> (approx)**  
3 lin m

