

Installation Guide – Anti-Slip GRP Decking Strips

Advance preparation

- ◆ It is essential that any damage or undulations to the receiving substrate are remedied to ensure the decking strips will be on a flat, even and damage free surface.
If using adhesive, clean the substrate thoroughly to remove any oil, grease, dust or loose particles, making sure the underside of the strips are clean, dry and dust-free too.
- ◆ If the substrate has been affected, such as by oil or particles, or if its surface strength is insufficient, mechanical fixing will be necessary.
- ◆ Before applying an adhesive, it is advisable to carry out a dry-fit first to ensure a suitable fit.
- ◆ Our recommendation is to use a double fixing method consisting of a high strength adhesive and mechanical fixings, especially when used in high traffic areas. Using adhesive and mechanical fixing can also be useful to minimise any 'drumming' noise when walked upon, which can happen when the substrate is not entirely flat.

Cutting anti-slip decking strips

- ◆ Anti-slip decking strips can easily be cut to any size or shape with a hacksaw or jigsaw, however, if you are planning to cut a large quantity of strips, we recommend using orbital cutting equipment with either a stone or diamond blade.
- ◆ Cutting should be conducted outdoors, or in a well-ventilated area with proper dust extraction.
- ◆ Adequate protective gear must be worn during the cutting process to ensure safety.

Mechanical fixing anti-slip decking strips

- ◆ Anti-slip decking strips can be drilled and effectively secured using pozi self-tapping screws, following these steps:
 - ◆ Mark out the desired fixing points on the top of the strip with pencil, then pre-drill with a suitable HSS drill bit.
 - ◆ Fixing is generally recommended at approx. 50mm in from each end and at a maximum of 250mm centres.
 - ◆ When screwing the strips in place, always start at one end and continue to fix each consecutive hole.
 - ◆ Where the substrate is concrete, always ensure that the screw length is slightly longer than the plug length to obtain a solid fixing.
- ◆ It is the installers responsibility to ensure the substrate is of sufficient quality to achieve a secure fixing.

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Screws quantity

As an approximate guide:

- ◆ Using the guidance above, 13 fixings should be sufficient to mechanically fix one 3m decking strip, which is approximately 5 fixings per 1 linear metre of decking strip. We recommend purchasing at least 10% more than the quantity you calculate, especially if you plan to work with cut out shapes. Fixings can be purchased from Blue Diamond.

Bonding anti-slip decking strips

- ◆ Once the advance preparation has been followed, the decking strips can be bonded as follows:
 - ◆ For a 50mm wide decking strip, run a 6mm bead of adhesive around the underside perimeter of the decking strip 15mm in from the edges. For a 90mm decking strip follow the same process but also run diagonal cross lines of adhesive.
 - ◆ Using hand pressure, bed the decking strips into position evenly.
 - ◆ Please note, optimal bonding will be obtained around 48 hours after application at 23°C.
- ◆ When bonding strips, we recommend the use of mechanical fixing to provide a secondary fixing. In this case, the holes must be pre drilled before applying adhesive to prevent dust from contaminating the bonding process.

Adhesive quantity

As an approximate guide:

- ◆ For 50mm decking strips with a 6mm bead, 1 x 300ml tube of adhesive sealant should be sufficient to bond 5 linear metres, which is approximately 60ml of adhesive per 1 linear metre of 50mm decking strip.
- ◆ For 90mm decking strips with a 6mm bead 1 x 300ml tube of adhesive sealant should be sufficient to bond 4 linear metres, which is approximately 75ml of adhesive per 1 linear metre of 90mm decking strip.

Please note, the amount of adhesive is entirely dependent on the method of application and the condition the substrate. We would always recommend purchasing more than the quantity you calculate, especially if there are to be cut shapes. As with screws, adhesive sealant can be purchased from Blue Diamond.

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Miscellaneous

- ◆ These installation instructions are in no way intended to be comprehensive but should be used as a guide.
- ◆ It is recommended to test the suitability of any fixing method on a small area before carrying out a full installation.
- ◆ For cleaning and maintenance please refer to the [data sheet](#).