

Gripsure SafeStrip 25

USER MANUAL



What is

Gripsure Safestrip 25?

Gripsure SafeStrip 25 is an expertly designed aggregate insert that can simply be retrofitted into existing deck boards. With no need to replace your entire decking, SafeStrip 25 offers a quick, easy and inexpensive solution to transform your slippery decking into a safe area, whatever the weather.

Gripsure SafeStrip 25 is suitable for both residential and commercial use and provides an ideal solution for a variety of applications including, but not limited to, :

- Stair nosings
- Ramps, footbridges, boardwalks and pontoons
- Deck edging
- Existing decks

We're proud to offer a 5-year non-slip performance warranty for Gripsure SafeStrip 25* offering you peace of mind that your anti-slip strips will still be keeping you safely on your feet in years to come.

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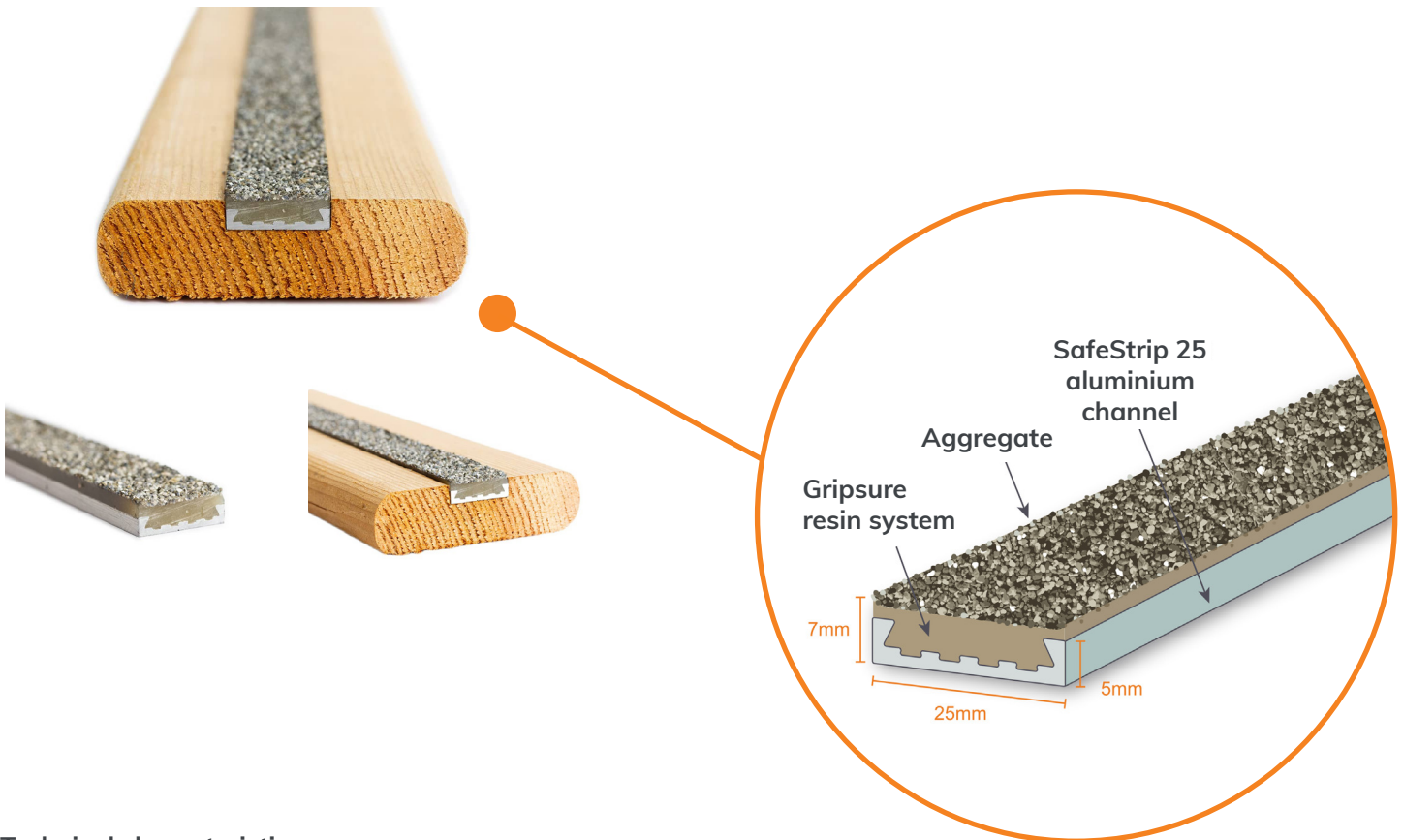
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* 5-year warranty currently only applicable to SafeStrip 25 in Grey.



Gripsure SafeStrip 25

technical specification



Technical characteristics

Profile	Aluminium 6063 T6 - double dovetail	Aggregate	Bauxite
Dimensions	27mm x 5mm	Colours	Light grey, Graphite, Black, Dark brown, White, Beige
Length	3 metres	Installation	Retrofit insert
Weight	350g	Attachment	Screw connection
Anti-slip insert	1	Pre-drilling	Available upon consultation
Resin	Gripsure 3000 Epoxy	Cut to length service	Available upon consultation
Hardener	Gripsure 3000 Hardener	PTV Rating	1 insert = 80 2 inserts = 89

Gripsure SafeStrip 25

technical specification

SafeStrip 25 colour range



Black



Graphite



Dark brown



Light grey



White




Beige

Slip resistance

Gripsure non-slip decking has been independently tested using the pendulum test (the operation and calibration of which are described in BS7976:2002 parts 1 and 3) operated to the United Kingdom Slip Resistance Group Guidelines (UKSRG). Gripsure SafeStrip 25 will achieve a minimum wet PTV value of 72+.

HSE gives 3 categories of risk for PTV scores to be measured against:

PTV Value	Slip Potential
0-24	High risk of slipping
25-35	Medium risk of slipping
36 +	Low risk of slipping

 Covered by our Gripsure's 5-year non-slip performance warranty



Gripsure SafeStrip 25 delivery and storage

How should your SafeStrip 25 arrive?

Your Gripsure SafeStrip 25 will arrive in cardboard tubes to protect the product during transport. Upon delivery it is important that you open the tubes and check the quantity, length, and condition of your SafeStrip product.

How should you store your SafeStrip 25?

Until you are ready to install your SafeStrip we recommend you store the product in the delivery tubes indoors, on a flat surface, away from water and any risk of damage.

The Camp at The Wave
Bristol



Gripsure SafeStrip 25

installation instructions

Applications

Gripsure SafeStrip 25 is suited to many applications including, but not limited to, :

- Addition of a step nosing into the front of a timber step
- To provide additional grip to a timber ramp
- To provide a delineating non-slip line at the edge of a platform or pontoon
- To provide non-slip properties to an existing timber deck

Because the installation process requires a groove to be routed into the top of the decking, it is not recommended to fit Gripsure SafeStrip 25 into an existing softwood board as this exposes the untreated softwood timber in the centre of the board. If Gripsure SafeStrip 25 is to be fitted to softwood timber it is recommended to apply an end grain treatment to the exposed timber and then use a sealant during the fitting process to limit water ingress into the groove.

Suitability of substrate

Inspect the substrate timber decking board thoroughly, the SafeStrip insert will only be effective if the timber deck

it is inserted into is in sound condition and the strips are correctly installed and fastened.

Gripsure SafeStrip products should only be fitted to timber decking which meets the following criteria:

- Timber must be free from rot and algae growth
- Decking planks must be securely fastened down with no excess movement under foot

Setting up for routing

Gripsure SafeStrip 25 requires a groove 25mm wide by 6mm deep to be routed into the decking board. When planning the locations of the grooves it is important to consider the following points:

- **Location of strip from edge of board** – if the Gripsure SafeStrip 25 insert is being used to add a non-slip nosing to a step consider how close the strip needs to be to the edge of the step. It will need to be close enough to be effective when ascending and descending, but not so close that it compromises the strength of the edge of the step. This will vary depending on the type of timber the step is made from;

dense hardwoods will have more strength so the strip can be positioned closer to the edge

- **Screws** – make sure the screws holding the board down do not interfere with the path of the router as this could damage the cutter and cause injury.
- **Gap between strips** – the UK Slip Resistance Group (UKSRG) and the Timber Decking and Cladding Association (TDCA) advise that the gap between non-slip strips in a timber deck board should be no greater than 70mm to provide consistent performance across the decking. Depending on the width of the deck board it may be necessary to install 2 strips per board.
- **Spacing** – if you are installing more than one strip per board make sure you set the distance consistently across the deck, not just on the board.

E.g. a board which measures 144mm with a gap of 6mm between boards (150mm total) which is to have 2 strips inserted would need the grooves to be routed 37.5mm from the edge of the board to the centre of the groove so that centre to centre of every strip across the deck is 75mm.



Gripsure SafeStrip 25

installation instructions

Cutting and drilling

Gripsure SafeStrip 25 can be supplied cut to length and pre-drilled, however it is possible to cut and drill on site.

Cutting

Required:

- Hack saw / mitre saw with polycrystalline diamond saw blade
- Tape measure
- Marker pen

Method:

- Measure length of SafeStrip required and mark with a marker pen on the underside of the strip.
- Use a hack saw to cut through the aluminium and resin from the underside of the strip – take care to stop cutting just before you reach the layer of aggregate.
- Bend the SafeStrip at the cut point so that the remaining thin layer of resin snaps cleanly.
- Alternatively, the entire strip can be cut through with a polycrystalline diamond saw blade in a mitre saw.

Drilling

Required:

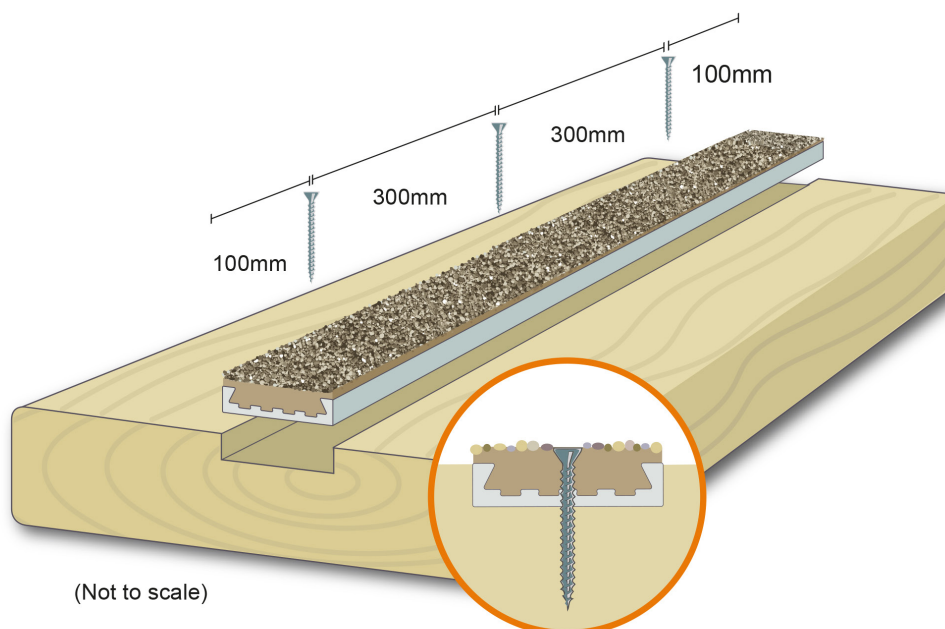
- 5mm cobalt drill bit
- 5mm masonry drill bit
- Tape measure
- Marker pen
- Drill

Method:

- Measure and mark the locations of the drill holes on the underside of the Gripsure SafeStrip 25 – First and last fixing points should be 100mm from the ends with the remaining holes spread evenly at a maximum of 300mm intervals.
- Using a 5mm cobalt drill bit, drill slowly through from the underside of the SafeStrip right through the aluminium and the resin but stop before drilling through the aggregate.
- Continue along all the SafeStrip lengths until all the holes have had a pre-drill.
- Work along all the SafeStrip lengths

Fixing in place:

- Gripsure recommend fixing SafeStrip 25 lengths in place using stainless steel screws supplied with the product.
- For the optimum aesthetic result it is recommended to pre-drill Gripsure SafeStrip 25 prior to fixing down, this can either be done by Gripsure or on site by the end user.
- Fixing positions for Gripsure SafeStrip 25 are 100mm from either end, and at 300mm intervals.
- Ensure the screw head finishes flush to the top of the aggregate infill, setting the head lower into the strips creates a void where water and debris can accumulate.
- For extra strength an adhesive can be used to secure Gripsure SafeStrip 25 however this should not replace the use of screws to mechanically fix the strip down.
- When using an adhesive, ensure it is suitable for use on timber and aluminium, and that the environmental conditions are within the tolerances of the product.



Gripsure SafeStrip 25 maintenance & cleaning

Our non-slip inserts do not require any special treatment or maintenance. If you wish to improve the aesthetics of your decking and non-slip inserts you can clean them with a broom and water.

Gripsure SafeStrip 25 is pressure washable but care should be taken to prevent damage. We recommended using a 150bar water pressure washer with a fan nozzle at a minimum distance of 150mm.



Maintenance
free

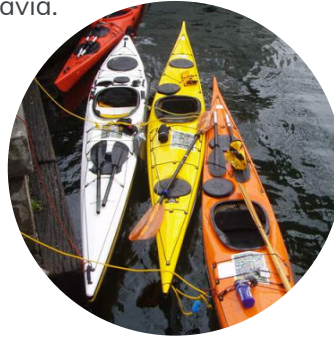
Case study

floating bridge

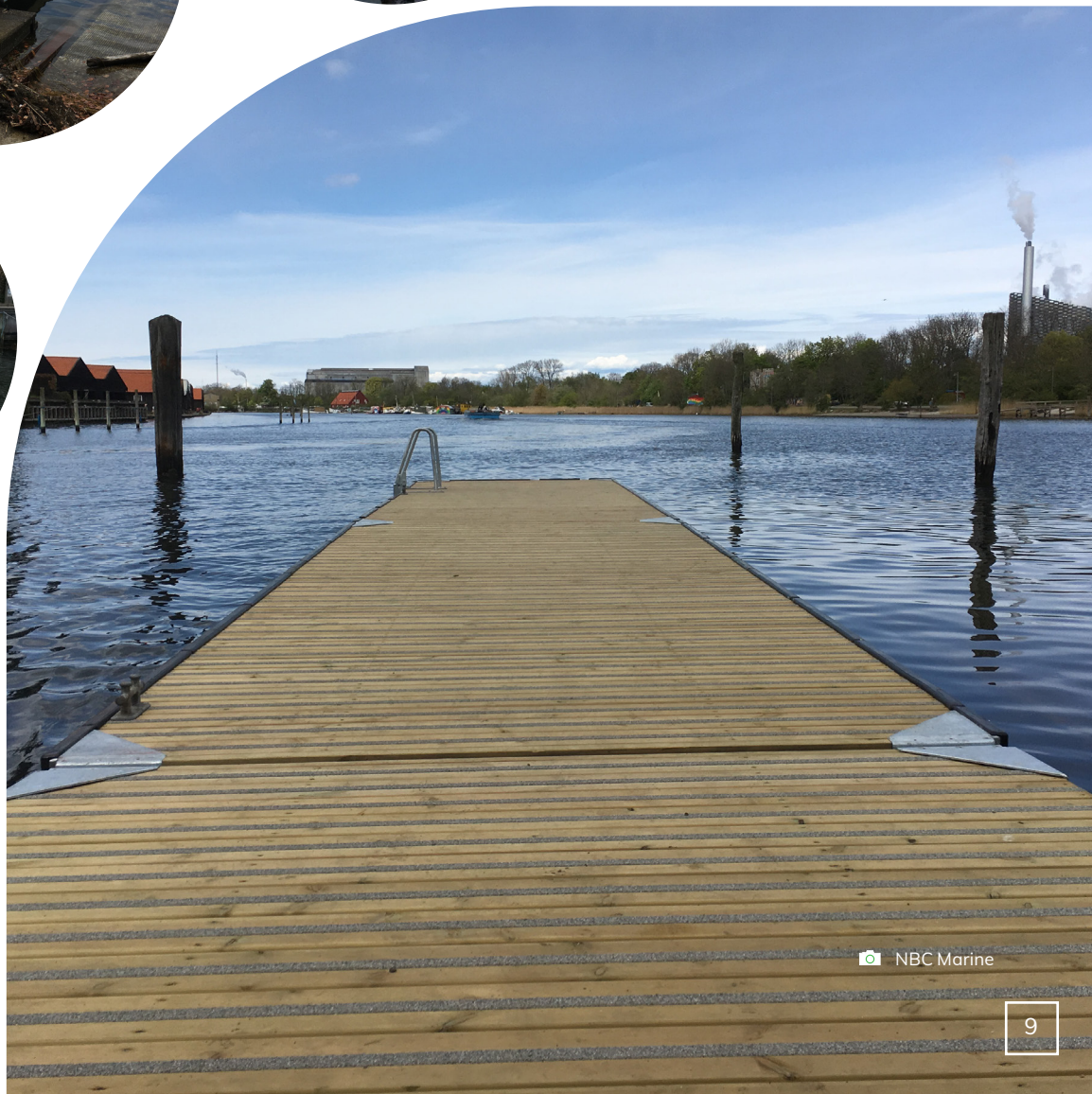
Gripsure's SafeStrip 25 was chosen by NBC Marine for a floating bridge for kayakers at Copenhagen Harbour. NBC Marine came to Gripsure for a non-slip solution to keep kayakers on their feet while using the floating pontoon to access their kayaks.

Gripsure's SafeStrip 25 was chosen to install retrospectively into the center of the existing pontoon decking, delivering a high slip resistance and increased safety on the otherwise dangerously slippery decking.

NBC Marine is a manufacturer and importer of a large number of marine products, including, but not limited to, wooden floating bridges, ramps and boardwalks. They work with ports, municipalities, associations and private customers across Denmark and wider Scandinavia.



Floating Bridge
Denmark



Gripsure SafeStrip 25 warranty information

You can now be assured your decking will retain its non-slip performance for a minimum of 5 years, guaranteeing you complete peace of mind.

Some decking products will give you an initial slip resistance i.e. what they achieve on day one, before they are even laid. But at Gripsure we think this is irrelevant. Having invested in our product, we think you should have peace of mind for the future. What you really need to know is “how long will my decking remain non-slip and to what extent?”

The aim of this warranty is to ensure that our customers have a clear understanding of how well the decking will perform, and what that means in practice.

Please note, at this time our Gripsure SafeStrip 25 warranty only applies to the Grey inserts whilst we wait for the testing certificates for the remaining colours. We do not anticipate there being any difference in slip ratings between product colours.

Slip resistance explained

Gripsure non-slip decking has been independently tested using the pendulum test (the operation and calibration of which are described in BS7976:2002 parts 1 and 3) operated to the United Kingdom Slip Resistance Group Guidelines (UKSRG).

All Gripsure® products exceed both the wet and dry non-slip standards as set out by UK Slip Resistance Group. A value of 65 out of 100 is required for any non-slip surface to be classed as having an extremely low risk of slipping, of which all Gripsure decking also achieves.

The Health and Safety Executive gives 3 categories of risk for PTV scores to be measured against:

PTV value	Potential for slip
0 - 24	High risk of slipping
25 to 35	Medium risk of slipping
36 +	Low risk of slipping

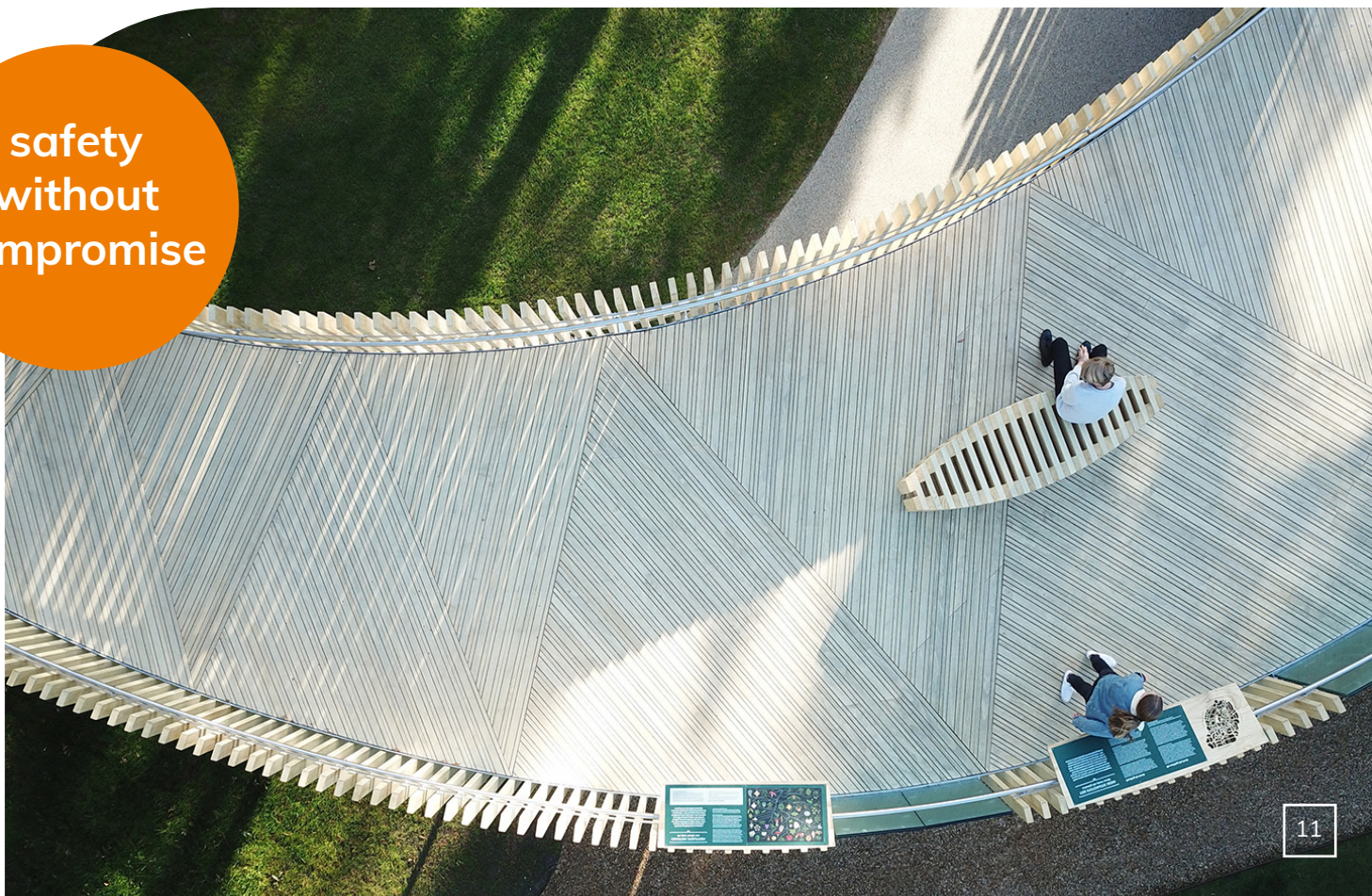


Gripsure SafeStrip 25 warranty information

Gripsure's PTV ratings

Gripsure Decking	Average Dry PTV	Average Wet PTV	Overall Average PTV	Guaranteed 5-year PTV
Gripsure SafeStrip 25 (1 insert)	88	72	80	55
Gripsure SafeStrip 25 (2 inserts)	96	82	89	65

safety
without
compromise



Gripsure SafeStrip 25 warranty registration

How to register your Gripsure 5-year performance warranty

You must register your warranty with us 8 weeks from the date of delivery (in the event of multiple deliveries from the date of the first date of delivery), by emailing warranty@gripsure.co.uk with the following text:

Subject: Gripsure 5-year warranty
Message: We, [enter company name or personal name here], are registering our Gripsure 5-year performance warranty for [enter product name & invoice number here], covering decking installed at the following location [enter full postal address here]. We have read, understood and agreed with the terms and conditions of the Gripsure 5-year performance warranty.

We will then confirm receipt of the email, and issue your warranty certificate to the address you provided.

How to make a claim:

1. In the first instance, contact our office – have a copy of your warranty certificate details to hand, along with any photographs and a brief description of the claim.
2. The office will ask you to forward the photos and your warranty details to warranty@gripsure.co.uk
3. Gripsure will then make arrangements with you to visit site prior to the pendulum testing being undertaken.
4. A suitable date will then be set to undertake the pendulum tests to establish the PTV results of the decking.



Gripsure SafeStrip 25

warranty t&cs

1. Warranty is only applicable to Gripsure SafeStrip 25 in Grey. The remaining colours are not covered by Gripsure's 5-year performance warranty.
2. Warranty must be registered with Gripsure in the manner described above, within 8 weeks of first date of delivery applying to the goods invoiced.
3. 5-year performance is measured in accordance with the BS7976 testing criteria, and in the event of dispute, an in-situ test will be carried out on the decking boards. The test methods of that test procedure are described below.
4. Excludes any failures due to extreme heat exposure, mechanical damage, vandalism, excessive or extreme use of the decking inserts beyond their normal capability, water submersion of decking boards and inserts, extreme loading applied to decking boards and inserts or fire, any movement attributed to the sub-structure to which the decking is fixed, any act of God (flooding, hurricane, earthquake), improper handling and/or storage of the product,
5. Decking inserts must be installed as per Gripsure installation instructions. Gripsure reserves the right to come and inspect the installation of the inserts.
6. In the event of a claim the following testing procedure will be followed using the BS7976 pendulum test;
 - a) Total area of decking to be re-tested to be agreed on site.
 - b) The agreed surface must then be clean and dry from all detritus, algae and water contamination prior to any PTV testing
 - c) PTV measurements will be taken every 20cm parallel to each non-slip insert.
 - d) If less than 10% of the total length of the non-slip decking insert strips (from the total original order linear metres supplied) are deemed to fail the guaranteed 5-year figure as set out in the table above, then the decking is deemed fit for purpose and will not qualify under the warranty for re-supply.
 - e) If more than 10% of the total length of the non-slip decking insert strips (from the total original order linear metres supplied) are deemed to fail the guaranteed 5-year figure as set out in the table above, then insert strips with any result below that of the guarantee figure will be replaced.
 - f) Costs for the PTV tests will be borne by the claimant should the decking be found to be less than 10% defective as described above.
 - g) In the event of the Gripsure product failing the test as set out above, the company will write to confirm the claim as valid and at the company's option have the right either to replace the decking inserts (not including any costs of removing and/or installing the original decking or inserts) or refund to the purchaser the portion of the purchase price paid by the purchaser for the affected items. Replacement inserts will be provided as close as possible to the original shape, quality and design, but Gripsure does not guarantee an exact match as product design and styles can change.
 - h) For the avoidance of doubt, this warranty shall not cover and Gripsure shall not be responsible for costs and expenses incurred with respect to the removal of affected product or the installation of replacement materials, including but not limited to labour and transport.
 - i) Under no circumstances will Gripsure be liable for special, incidental or consequential damages, whether such damages are sought in contract, in tort (including but not limited to negligence and strict liability) or otherwise, and Gripsure's liability with respect to products shall not exceed the replacement of such products or refund of the purchase price, as described above.
 - j) This warranty is in addition to the Gripsure published standard terms and conditions, and does not affect your statutory rights.



For further product information, or to discuss any project requirements,
please get in touch at:

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