



INSTALLATION INSTRUCTIONS FOR TBS ANTI-SLIP COATING SELF- BONDING



Installation instructions for TBS anti-slip coating self-adhesive

Type - TBS 10, 11R, 16, 20S, 21 and Speedgrip

This method of laying concerns the industrial, maritime, building, transport and recreational sectors.

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Regardless of the type and condition of the substrate, the laying of the TBS covering is done in 4 phases:

- Creating the templates and cutting them to size
- Preparation of the substrate
- Laying the TBS anti-slip coating
- Attachment of an edge seal

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1) Material necessary for bonding the TBS anti-slip coating:

- Tools:

- carpet knife or scissors
- White disposable latex gloves
- Felt pen or pencil
- a very wide pressure roller (Ref internal TBS - 59DIVERS6Z)
- a small pressure roller (Ref internal TBS - 59DIVERS 3Z)
- a carpet claw (Ref internal TBS - 59 DIVERS4Z)
- a scraper (Ref internal TBS - 59DIVERS9Z)
- a blade scraper (Ref internal TBS - 59DIVERSAZ)
- clean cotton rags that do not lint
- a notched spatula (Ref internal TBS - 59DIVERS1Z)
- an eraser
- a ball Ø 19 mm
- Cartridge gun

- Material:

- For laying anti-slip coating TBS (10, 11R, 16, 20S, 21)
- Acetone
- Isopropyl alcohol
- Single-component PU adhesive, type Sikaflex 291 (Ref internal TBS - 59COLLE*1Z)
- Turpentine substitute
- For the edge seals
- Elastomer gasket MS Polymer, type Terostat MS 935 (Ref internal TBS - 59COLLE*2Z)
- Self adhesive masking tape and self adhesive plastic tape
- For creating the templates
- strong, dimensionally stable, transparent film
- double-sided adhesive tape (not too strong)
- a coin or other round object (Ø between 22 and 45 mm)

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2) Some advice on how to remove the TBS anti-slip coating:

- Remove the old anti-slip covering using a carpet claw (Ref internal TBS - 59DIVERS (miscellaneous)4Z).
- Then remove the adhesive using acetone or ethyl alcohol and a scraper (Ref internal TBS - 59DIVERS (miscellaneous)4Z).

3) Creating the templates and cutting them to size:

1- Templates

With the help of a transparent, strong and dimensionally stable film, it is very easy to remove the outlines. Use a double-sided tape to prevent the film from slipping.

Some design advice:

- Always use the same radius of curvature for the corners
- never let edge meet edge, you can always see the joints. The distance between 2 pieces of TBS anti-slip covering must be at least 20 mm for aesthetic reasons.
- do not form any sharp angles
- to avoid the checkerboard effect, make pieces as long as possible.



2- Cutting

After removing and cutting the templates, transfer the shape to the back of the TBS anti-slip covering (smooth side) using a felt-tip pen.

With the help of a carpet knife or scissors carefully cut out the plates.

Smooth the edges with a sanding block.

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4) Preparation of the substrate:

* Aluminium, stainless steel, galvanised, electrogalvanized

⚠ First of all, it is important to prepare any type of substrate according to the rules; for this we recommend that you obtain all the necessary information from the manufacturers of the substrates and coatings.

- 1- Mechanical or chemical stripping (phosphoric acid).
- 2- Rinsing with water.
- 3- Degreasing with isopropyl alcohol or with acetone.
- 4- Application of an initial epoxy primer.
- ⚠ Observe waiting time for covering → Sealing**
- 5- Application of a two-component PU varnish between the TBS panels before laying (nautical area).
- 6- Allow solvent to flash off. The manufacturer's instructions for the coatings must be observed.



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* Steel:

 First of all, it is important to prepare any type of substrate according to the rules; for this we recommend that you obtain all the necessary information from the manufacturers of the substrates and coatings.

- 1- Phosphating or sandblasting.
- 2- Rinsing with water.
- 7- Degreasing with isopropyl alcohol or with acetone.
- 3- Application of an initial epoxy primer.
- 4- Application of a two-component PU varnish (nautical area).
- 8- Allow to flash off (nautical area). The instructions of the manufacturer of the coating must be observed.

* Wood:

 New or old wood is a changeable material (evaporation, moisture absorption, movement, etc...), with a great diversity of species. To ensure the tightness and longevity of the wood, the preparation of the substrate in accordance with the rules is very important. For this purpose, we recommend that you obtain all necessary information from the manufacturers of the substrates and coatings.

The procedure is as follows:

- 1- Remove contamination with water and detergent (degrease with acetone)
- 2- Drying
- 3- Seal the entire wood surface with epoxy primer (top / bottom).
- 4- Apply polyurethane filler
- 5- Apply polyurethane varnish
- 6- Flashing off

The epoxy bonding primer is used to stabilise the substrate and stops moisture as well as any other change.

For stair treads, we advise a recess or reserve equal to the thickness of the screwed aluminium plate and TBS anti-slip tape applied in the groove.

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⚠ Certain types of wood must be properly ventilated to prevent water build up and contamination.



* **Polyesters:**

⚠ First of all, it is important to prepare any type of substrate according to the rules; for this we recommend that you obtain all the necessary information from the manufacturers of the substrates.

The substrate is coated with polyester gel with or without cast-in anti-slip surface already integrated in the material (diamond tip, marbling, etc....).

- 1- Sand the areas intended for the TBS anti-slip coating until you obtain an even, flat surface that is no longer smooth.
- 2- If cracks, chipping or deep pressure marks appear in the gel layer, proceed with the necessary repairs (coating, cementing, etc....).
- 3- If the gel layer looks floured (whitish trace when touched by hand),
we give you the advice:
 - a) to grind.
 - b) to dust off
 - c) to degrease
 - d) to apply an epoxy primer.
 - e) to fill,
 - f) to apply 2 to 3 coats of varnish.

→ if necessary

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*** smoothed concrete:**



First of all, it is important to prepare any type of substrate according to the rules; for this we recommend you to follow all the necessary information of the CSTB (Scientific and Technical Centre for Construction) for the installation of carpet.

1- Fresh concrete:

- Allow 6 months to pass before laying TBS, then proceed as for old concrete.

2- Old concrete:

- Apply self-smoothing touch-up or an epoxy coat with a smooth surface.



***For all other substrates, we recommend that you carry out tests beforehand or contact us.**

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5) Laying the TBS anti-slip coating:

Attention: before starting the gluing and during it (as well as during the coating phases), make sure that:

- a) the ambient temperature is between 10°C and 30°C.
- b) the temperature of the substrate is identical to the ambient temperature.
- c) the relative humidity is below 65%.
- d) there are no traces of moisture (condensation) or dirt on the substrate.



1- the TBS anti-slip covering is laying flat on the substrate and leave it until the ambient temperature is reached.



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2- Remove dust from the substrate with a dry cloth, then degrease with acetone. Do not use turpentine substitute, which leaves a greasy film. Allow solvent to flash off (30 minutes).



3- Roll the TBS anti-slip coating to be applied outward, leaving the protective paper still on it (make sure there is no dust). Lift the edge of the TBS anti-slip coating, remove and fold about 3 cm of the protective paper and carefully glue the edge by pressing it on. The coating must be correctly positioned.



4- Unroll and peel off the protective paper, press the TBS anti-slip coating carefully and evenly with a pressure roller to avoid any air entrapment. There must be no air pockets between the covering and the substrate to prevent bubbles from forming later. Take your time with this step.



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5- Once the TBS anti-slip coating is applied, a two-handed pressure roller is used to apply intense and even pressure up and down, especially at the edges. The adhesive is pressure sensitive and its mechanical bonding strength depends on the initial pressure applied.



6- The laying of the anti-slip coating is finished. The maximum adhesive strength is reached after 72 hours. Nevertheless, you can immediately walk on the surface.



If air bubbles appear, aspirate the air with an injection syringe.
(do not use a carpet cutter under any circumstances).



Attention: TBS 16 anti-slip flooring is very soft, care should be taken not to warp it during installation. Otherwise, air bubbles may form. During installation, also avoid direct sunlight and heat, which can also cause expansion of the product.

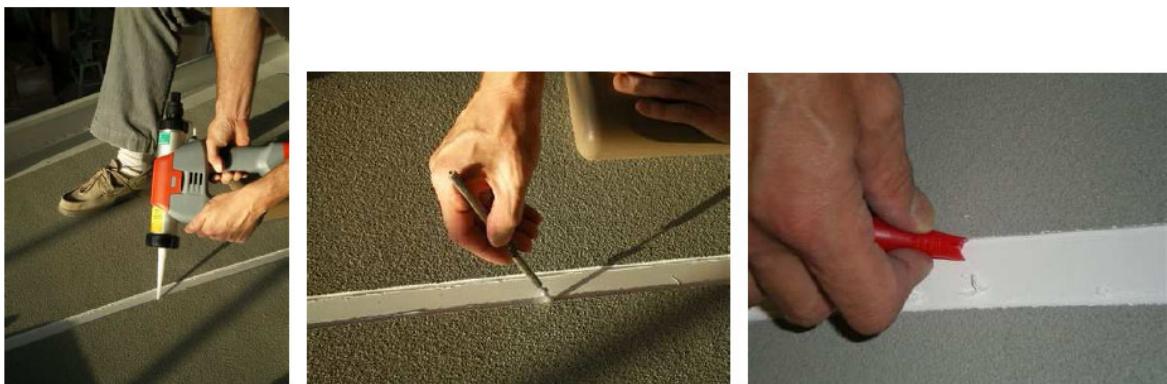
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With all anti-slip coatings, it is important not to damage the surface layer, as this could cause premature aging; photo below.



6) Performing an edge seal:

The last step is to perform an elastomer edge seal. MS polymer of the type Terostat MS 935 UV resistant (Ref intern TBS - 59COLLE*(adhesive)2Z). This step is necessary to protect the edges of the TBS anti-slip coating and also to prolong its life. It prevents the risk of edge detachment over time and increases the aesthetics of the ensemble.



1- The edge sealing should be done as soon as possible after the installation of the TBS anti-slip covering to prevent soiling and dusting of the covering edges.

2- Apply a 4 mm wide masking tape around the TBS anti-slip covering, work the edges a little with a scouring pad, then degrease using acetone.

3- Wait 30 minutes until the acetone has completely evaporated.

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- 4- Apply one strand of the joint compound in the thickness of the anti-slip coating. Smooth with a 19 mm diameter ball (or other suitable tool).
- 5- Remove the masking tape immediately.
- 6- Allow excess grout to dry on the TBS Anti-Slip Flooring and remove with an eraser within 10 hours of installation.

7) Storage of the rolls of TBS anti-slip coating for gluing:

The TBS anti-slip coating must be stored in the original packaging in a dust-proof manner until it is used.

Very important

The technical properties of a coating depend to a large extent on a correctly executed preparation of the substrate. If in doubt, we recommend that you perform tests beforehand.

NB:

Remarks: These instructions are intended to provide you with guidance for installation. In no way do they constitute a guarantee on our part or liability in the use of our products.

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