



INSTALLATION INSTRUCTIONS FOR TBS ANTI-SLIP COATING FOR GLUEING



Installation instructions for TBS anti-slip
coating
for glueing

Type - TBS 16, 20S, 21

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

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Contents

Title	Index/Reviews	Pages 1/14
- Cover		1
0 - Content		2
1 - Necessary material for the installation of the TBS anti-slip coating		3
2 - Some advice on how to remove the old TBS anti-slip coating		4
3 - Creating the templates and cutting them to size		4
4 - Preparation of the substrate		5
5 - Laying the TBS anti-slip coating		8
6 - Attachment of an edge sealing		13
7 - Storage of the roll goods from TBS		14
Anti-slip coating until bonding		

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

Prepared by: C. Chartier (RQ)	Confirmed by: F. Cherel (DD)	Date: 23 July 2010	Test number: 1	Page: 2/14
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1) Necessary material for the installation of the TBS anti-slip coating:

- Tools:

- Carpet knife or scissors
- White disposable latex gloves (Sizes 7½, 8½, 9½)
- Felt pen or pencil
- a very wide pressure roller (Ref internal TBS - 59DIVERS6Z)
- a small pressure roller (Ref internal TBS - 59DIVERS3Z)
- carpet claw (Ref internal TBS - 59 DIVERS4Z)
- scraper (Ref internal TBS - 59DIVERS9Z)
- blade scraper (Ref internal TBS - 59DIVERSAZ)
- clean cotton rags that do not lint
- toothed spatula (Ref internal TBS - 59DIVERS1Z)
- eraser
- a ball Ø 19 mm
- a grinding wedge
- Cartridge gun

- Materials:

- 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 masking 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:

Depending on the way the original TBS was glued:

-**Remove the anti-slip coating** using a carpet claw (Ref internal TBS - 59DIVERS4Z (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:

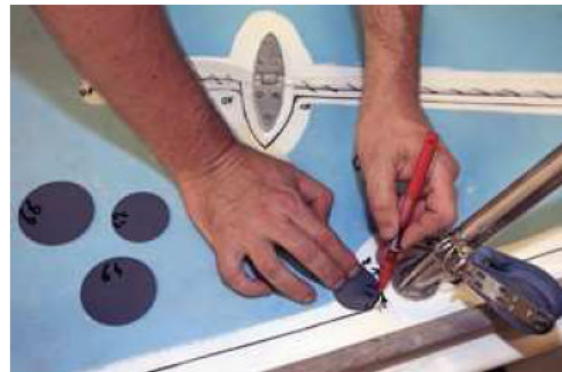
1- Templates

With 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.



Prepared by: C. Chartier (RQ)	Confirmed by: F. Cherel (DD)	Date: 23 July 2010	Test number: 1	Page:4/14
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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.

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 on the spaces between the TBS panels before laying (nautical area).

6- Allow solvent to flash off. The manufacturer's instructions for the coatings must be observed.



Prepared by: C. Chartier (RQ)	Confirmed by: F. Cherel (DD)	Date: 23 July 2010	Test number: 1	Page:5/14
-------------------------------	------------------------------	--------------------	----------------	-----------

*** 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.
- 3- Degreasing with isopropyl alcohol or with acetone.
- 4- Application of an initial epoxy primer.
- 5- Application of a two-component PU varnish (nautical area).
- 6- 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.

Prepared by: C. Chartier (RQ)	Confirmed by: F. Cherel (DD)	Date: 23 July 2010	Test number: 1	Page:6/14
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Certain types of wood must be properly ventilated to avoid waterlogging and contamination.



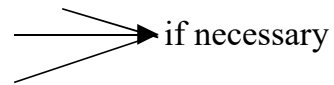
*** Polyesters:**



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 not too 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.



*** 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.

Prepared by: C. Chartier (RQ)	Confirmed by: F. Cherel (DD)	Date: 23 July 2010	Test number: 1	Page:7/14
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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.**

5) Laying the TBS anti-slip coating:

Attention: before starting the glueing 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.



Prepared by: C. Chartier (RQ)	Confirmed by: F. Cherel (DD)	Date: 23 July 2010	Test number: 1	Page:8/14
-------------------------------	------------------------------	--------------------	----------------	-----------

The protective paper of the TBS anti-slip coating must be clean.
The TBS anti-slip covering is laying flat on the substrate and leave it until the ambient temperature is reached.



1- 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).



2- Using a toothed spatula N° 0, apply on the substrate less than 170g/m² of polyurethane single-component adhesive type Sikaflex 291. If you use too much glue, you risk the appearance of glue bulges and bubbles during unrolling (to remove trapped air).



Prepared by: C. Chartier (RQ)	Confirmed by: F. Cherel (DD)	Date: 23 July 2010	Test number: 1	Page:9/14
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Tip: Spread the adhesive (Figure 1) first in one direction, then in the opposite direction (Figure 2) and also towards you (Figure 3) using a toothed spatula (hold the spatula at an open angle of approx. 130°).



Figure 1



Figure 2



Figure 3



Figure 4

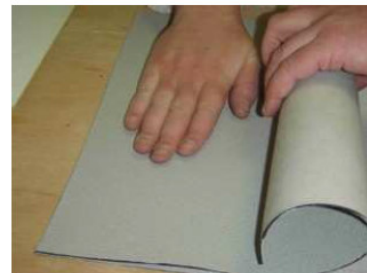
Not recommended:



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- 3- Position the edge correctly, then roll the TBS anti-slip covering in the same direction as the grooves created by the toothed spatula, gradually allowing the air to escape as the installation progresses.



- 4- With the polyurethane adhesive type Sikaflex 291, you can move your covering piece for 2 minutes.

⚠ Be sure to observe the maximum installation time, which depends on temperature and humidity.



- 5- In order to achieve an optimum bond between the covering and the substrate, press the TBS anti-slip covering firmly, as well as the edges, in the direction of the grooves created by the toothed spatula, using a pressure roller, so that the air can escape optimally without creating air bubbles or dents due to excess adhesive.

Prepared by: C. Chartier (RQ)	Confirmed by: F. Cherel (DD)	Date: 23 July 2010	Test number: 1	Page: 11/14
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If air bubbles appear, aspirate the air with an injection syringe before the adhesive sets (within one hour).

Do not use a carpet cutter under any circumstances.



6- Clean excess glue from the edges with a white, lint-free cloth and turpentine substitute. This creates a quasi-invisible edge seal that protects the edges of the TBS anti-slip covering. To remove stains of the polyurethane adhesive type Sikaflex 291 on the TBS anti-slip coating, also use turpentine substitute and a white, lint-free cloth.

7- The laying of the anti-slip coating is finished. The maximum adhesive strength is reached after 72 hours. After 48 hours of drying time, the covering can be walked on.

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

Prepared by: C. Chartier (RQ)	Confirmed by: F. Cherel (DD)	Date: 23 July 2010	Test number: 1	Page:12/14
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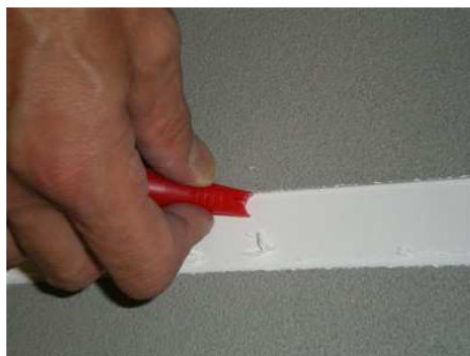
With all anti-slip coatings (TBS 16, 20S and 21), it is important not to damage the surface foil, as this could cause premature aging; photo below.



6) Performing an edge seal:

The last step consists in applying an edge seal made of elastomeric MS polymer of the type Terostat MS 935 UV resistant (ref. internal TBS - 59COLLE*2Z).

This step is necessary to protect the edges of the TBS anti-slip coating and to prolong its life. It prevents the risk of edge detachment over time and increases the aesthetics of the ensemble.



Prepared by: C. Chartier (RQ)	Confirmed by: F. Cherel (DD)	Date: 23 July 2010	Test number: 1	Page:13/14
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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.

4- Apply one strand of the joint compound in the thickness of the anti-slip coating. Smooth with a 19 mm diameter ball (or a 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 roll goods **TBS Anti-slip coating for bonding:**

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.

Prepared by: C. Chartier (RQ)	Confirmed by: F. Cherel (DD)	Date: 23 July 2010	Test number: 1	Page:14/14
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