



# TOP LINER Installation

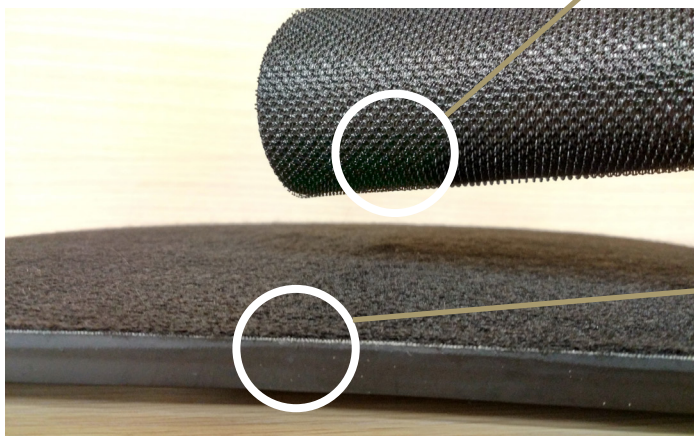
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Top Liner is a combination of Trelleborg high wear resistant rubber sheeting and an innovative fixing system: SAM, Self-Attachment Method, patented by Trelleborg.

This system saves time on maintenance tasks (individual plug-in operation), enhances security (no chemicals required) and is more friendly to people and the environment. Gluing, cleaning, bolting, and welding is no longer needed. **Welcome to the velour rubber age.**

## How does it work?

We will use two separate elements similar to the ones used in the textile industry: hook and velour.

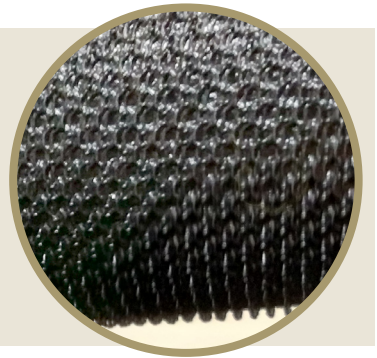


### Hookgrip

Hookgrip is delivered in 100 mm roll width with one self-adhesive side. The material is ready to be used. A film protects the self-adhesive surface.

Keep hook surface as delivered. No Chemical treatment needed.

**⚠ Do not remove adhesive protection until installation.**

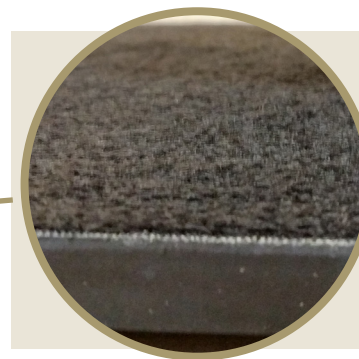


### Velour backing

High wear resistant rubber, Black-rock+, is delivered with one side having a velour fabric finish. This surface is protected by a plastic layer.

Keep the velour surface as delivered. No Chemical treatment needed.

**⚠ You will need the plastic cover during the installation.**



**The hook strips**, Hookgrip, are fixed on a metal surface by a self-adhesive side. This fixation method is clean, simple, fast and long-lasting. Hookgrip is conceived to be reusable for multiple replacement cycles.

**The rubber plates** will be strongly gripped to this surface once its velour side is in contact with the hook strips.

It is recommended to avoid direct contact between both surfaces, velour and hook, before final installation.

## Safer first installation, safer replacements

We care about installers. With Top Liner, the tough and hazardous tasks of removing the glue from the metal surface, the steel preparation and the new glue application disappear. The preliminary Hookgrip strips installation is made using its own adhesive side and no chemical treatment is required. The replacements are done by pulling out worn plates and pushing new ones. As simple as that.

Top Liner also protects the tool life span. There is no need for blasting the metal surface or periodically treating it with aggressive chemicals to get the proper bonding.

# Top Liner installation, step by step

## I. Cleaning process

The surface must be suitable for the adhesive, not too uneven, weathered, brittle, too soft, too unstable, saturated with softeners, covered with flaking lacquers or paints, or glue-resistant lacquers or paints.

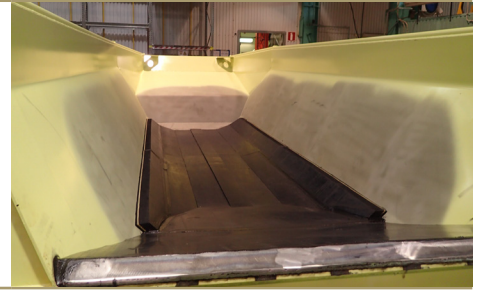
Pre-treatment:

- Acetone for metal/aluminium
- Lighter cleaner for lacquered surfaces and plastics



The surface must be free of grease, dust or moisture.

## II. Cut pieces according to dimensions



Prepare the full set of pieces to match up with the lining.

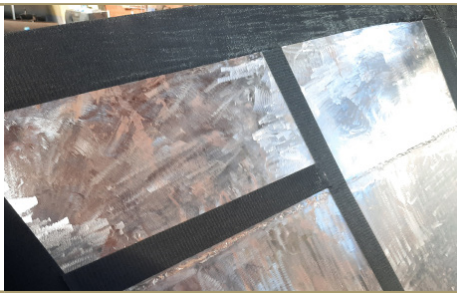
You may have to readjust in a second stage.

## III. Place and fix Hookgrip



Confirm that Point I has been completed and the surface is dry.

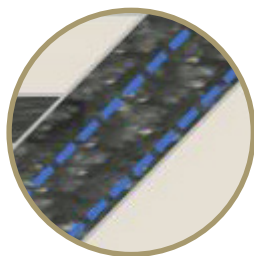
Then, start fixing the Hookgrip strips on the frame.



Once the outer frame has been completed, glue inner strips at 90° to each other.



Depending on the application requirement, Hookgrip needs to cover between 20-40% of the total surface.

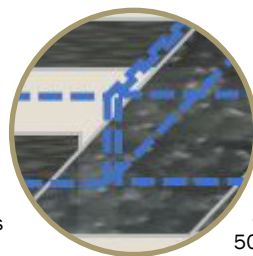


The Hookgrip strips must go 100% along the edge of the area being lined to create an outside frame.



Inside the frame, place strips at 90° to each other.

⚠ Do not overlap the strips



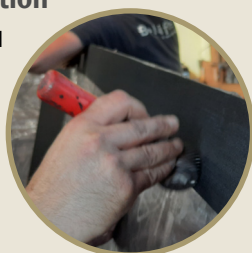
If more than one plate is required to line the surface, the adjacent plates will share the same Hookgrip strip and each plate will cover 50% of the strip (50 mm).

## Hookgrip gluing recommendation

The best bonding results are achieved when the surface and the self-adhesive coated tape are at 20°C (68°F).

Apply pressure - a rubber-coated roller is ideal.

⚠ Do not damage the hook

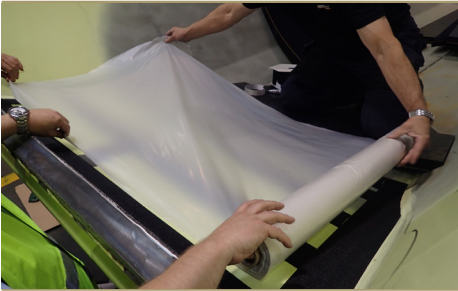


Once pressure has been applied, a short exposure to heat, ~ 2 minutes of hot air at 60/80°C (140/176°F), can intensify the bonding effect.

It is recommended not to put weight on the Hookgrip for at least 30 minutes (optimum 2 hours), to allow the glue bonding.



#### IV. Rubber plates layout and fixing process



Put a plastic layer on top of the Hookgrip surface as in the picture to avoid direct contact between the hooks and the velour before the final installation.



You can use the plastic covering delivered with the roll to cover the full Hookgrip surface



Then, place the rubber plate on the top to confirm that dimensions are correct.



Remove the plastic layer protecting the Hookgrip surface.



Once the rubber plate is placed in the correct place, press on the whole surface. You can use a roller for this purpose.



Repeat the process with each rubber plate to complete the installation.

#### V. Maintenance

**The Top Liner self-attachment method does not require any specific maintenance.**

If one part of the lining is damaged, it is possible to replace only the damaged part without any deep cleaning process.

It is as simple as:



Introduce a tool as a lever at the edge of the rubber to lift it up carefully

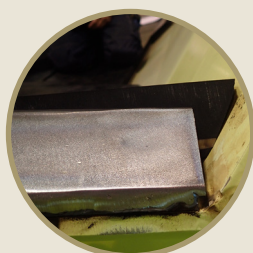
Once it is possible, pull to remove the piece using your hands or a tool.



Clean the Hookgrip surface to remove dust and place a new rubber plate as described in Point IV.

#### Additional tips

As for traditional rubber lining, we recommend protecting the installation edge with a metal frame.



Sealing the joints between rubber pieces is highly recommended to prevent dust from reaching the Hookgrip strips. This action will improve the hook performance and extend its lifespan.

