

FOIL-EN-002-A

Properties of Semperit Rubber Foil

The application of Semperit Rubber Foil improves the properties of a composite due to its material composition and treatment characteristic.

Usually, composite products are exposed to dynamic and static stress which can be balanced with the customized properties of the Semperit rubber compound.

- Static and dynamic stress within a relatively rigid resin sandwich system can be equalized due to the **visco-elastic property** of Semperit Rubber Foil.
- The specified **damping effect** of our rubber is frequently applied to improve the dynamic behavior of components specifically.
- Thicker variants are suitable for achieving **vibration decoupling** of assembling parts.
- Semperit Rubber Foil used as filling element improves the **power transmission**.
- Semperit Rubber Foil fits for the usage at a wide **temperature range** (-40°C to +70°C degrees).
- The **patterned surface structure** and the **pre-treatment** of Semperit Rubber Foil provides the optimum adhesion to a variety of materials and surfaces.*

Example of Application „Ski-Composite“:

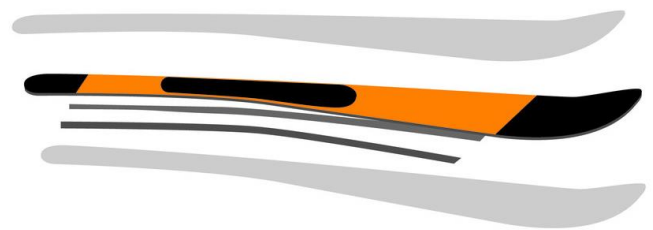


Image1 shows the areas where Semperit Rubber Foil (black areas) will be normally used in the ski-composite.

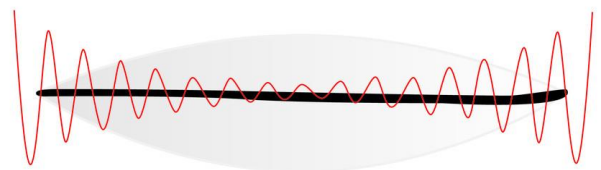


Image2 illustrates the effect how vibrations can be drained off from the construction by Semperit Rubber Foil.

* The adhesion of different bonding systems has to be tested individually.

All specifications, numbers, calculations, test values, and data mentioned here – which are the basis for our customer consultation – are in accordance with the latest engineering standards. As the operating conditions have an influence on product application, this information can only be used as a rough guideline. It is the sole responsibility of the customer to check the application conditions of each individual case, and whether the specified quality criteria of our products are adequate for the intended purpose. Improper use, excessive loading, or exposure to impermissible media can impair the product's function. Our experts will be happy to answer any questions you might have. Text and pictures, etc. remain in the ownership of Semperit Technische Produkte Gesellschaft m.b.H. The pictures and graphics shown are only representative images. No liability is accepted for mistakes or printing errors and data is subject to change at any time. Copying and distribution in any form whatsoever, in whole or in part, only with the express written consent of Semperit. Copyright © Semperform. 2018. All rights reserved.

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Semperit Technische Produkte Gesellschaft m.b.H.
Triester Bundesstraße 26, 2632 Wimpassing, Austria
Telefon +43 2630 310 667
Telefax +43 2630 310 288
E-Mail: rubberfoils@semperitgroup.com
Internet: www.semperform.com