

Processing recommendations - Sewing of skai® artificial leather

General information

Suitable for many types of upholstery applications and coverings in the upholstery industry. Particularly well-suited for trendy residential and commercial applications and in public buildings and facilities. Problem-free processing using the usual methods (sewing, stitching, gluing, nailing). Do not use colored adhesives or solvent adhesives.

Special instructions - Sewing

In contrast to genuine leather, so-called "non-cutting" needles must generally be used for sewing artificial leather materials. Cutting needles damage the underlying textile layer and thus negatively affect the tear strength and resistance of the material.

For artificial leather, needle types for example with the abbreviations "R", "RS", "RG", or "FFG/SES", etc., are used. These are round needles or displacement needles. When using this needle type, the textile backing remains largely undamaged.

The commonly used needle size is in the range 80-140 NM, depending on the material and thickness.

The smaller the needle diameter, the lower the penetration forces that act on the material and thus weaken it. The selection of the correct needle size greatly depends on the base material to be sewn, its structure, the material combinations and the thread thickness.

To determine a suitable needle shape and size, it is necessary to consult with the respective sewing needle product manufacturers. In addition, processing trials may be necessary.

To additionally increase the seam stability, a seam tape can optionally be sewn in for reinforcement. Some of these tapes also have a sealing effect, making them especially suitable for outdoor applications or the medical sector.

Possible fault sources

Damage to the material during the sewing process can often be caused by an incorrect, worn, or damaged needle. Furthermore, an excessively high feed rate or sewing speed or any damage to the feed dog, throat plate or presser foot can cause damage to the material. Likewise, before starting work, all machine parts should be checked for any sharp edges or burrs that could cause damage to the material.

For more detailed questions about sewing machines, needle variants and thread specifications, please contact the dealers or manufacturers directly.

For further technical questions about the processing method, please contact our Customer Service directly

<https://www.skai.com/en/interior/contact-us/>

Further information

Our spoken and written application engineering recommendations, which we pass on based on our experience and in accordance with the current state of the art, are non-binding. They do not absolve buyers of their own responsibility to check the suitability of our products for the intended purpose. This applies in particular to all components that are processed together with our product and their compatibility in combination with each other. In all other respects, our General Terms and Conditions shall apply. All previous differing regulations are hereby no longer valid.

