

[English]

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touch



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High Solid Polyurethane Leatherette „touch“

Beautiful, strong, soft AND technical touch is the new PU leatherette generation: It is high-quality, durable, soft, supple, breathable and comes with an excellent stain resistance.

*A friend to the environment:
free of phthalates, PVC, lead and heavy metals
PU leatherette can even be disposed of eco-friendly.*

<i>touch is</i>	<i>touch has</i>
<p><i>Flame retardant according to: EN 1021 1+2 Ö NORM B3825 Classe uno IMO FTP code (2010), part 8</i></p> <p><i>Liquid-impermeable [EN 20811]</i></p>	<p><i>Fastness to light: 4 [EN ISO 105-B02, Scala 1-8 / best: 8]</i></p> <p><i>Fastness to rubbing dry: 4-5 Fastness to rubbing wet: 3-4 [EN ISO 105-X02, Scala 1 - 5 / best: 5]</i></p> <p><i>Abrasion resistance: 200.000 [Martindale EN ISO 12947]</i></p> <p><i>Abrasion resistance leatherette: 700 [EN ISO 5470]</i></p> <p><i>8 years hydrolysis warranty!</i></p>

Classic PU vs. PU made according to the high solid method or „what distinguishes the new PU generation“

<p>Classic polyurethane</p>	<p>High solid polyurethane: „touch“ is the new generation of synthetic leathers</p>
<p>Classic polyurethane consists of 3 layers: - backing fabric - micro foam in the coagulation process - coating/surface fabric</p>	<p>High solid polyurethane has two stronger layers: - backing fabric - coating/surface fabric</p>
<p>The destruction of the material (called hydrolysis) usually takes place in the micro foam, which is used as an interlayer. This micro foam incorporates the natural ambient humidity. In the worst case, bacteria cause the so-called hydrolysis, i.e. a biochemical process that destroys the material from within. Consequently, the surface breaks up and the foam is destroyed from the inside out.</p>	<p>With the new high solid method, the micro foam layer is waived, thus preventing the material from storing moisture and hence avoiding bacterial growth.</p>
<p>Hydrolysis in a classic 3-layer procedure: max. 4-5 years.</p>	<p>No premature aging: the new quality „touch“ comes with an 8-year hydrolysis* warranty</p>
	<p>A pleasant side effect is the increase of surface resistance to mechanical stress.</p>

*Hydrolysis test:

The hydrolysis resistance is determined with a so-called „jungle test“.

In a special device, the material is exposed to a humidity of at least 95% and a temperature of 70°C.

One week trial period corresponds to one year of hydrolysis.

Afterwards, the material is tested for changes in its physical properties by means of a flex test.

Processing PU leatherette using the high solid method

As PU is more elastic than PVC, the following should be considered for the processing:

Do prefer:

- a round head needle
- a maximum stitch length of 4 mm
- double stitching for main seams
- a dense, high-quality foam

Keep in mind:

- an addition of about 2 cm Foam in both directions when cutting
- breathing holes when using a thick foam
- PU should be processed only lengthwise

Avoid:

- folding the material without foam backing to strong, e.g. around corners and edges, to avoid any potential wear points

Maintaining high solids PU leatherette

Basic care:

to keep the good appearance of the selected leatherette, it should be cleaned regularly with mild soap and water.**

(touch can also be cleaned in the washing machine at 30°C on delicate cycle)

Various food and oil spills can be removed using a soft cloth and mild detergent without abrasive additives.**

Other difficult stains can be treated with water-diluted isopropyl alcohol (rubbing alcohol) (1:1) OR with a water-diluted household bleach, ratio 1:4.**

** It is NECESSARY to rinse the leatherette with clean water after each cleaning and to wipe it dry.

With all stains, this treatment rule applies in any case:

„the sooner the better“!