

Bionic Finish – the liquid and dirt repellent coating

Upholstered furniture has a long lifespan. Therefore, upholstery fabrics should offer high dependability. Such durability is all the more important for upholstered seating in the health care field.

Purino's textile surface is treated with an invisible molecular barrier to ensure that it repels liquids and dirt. This surface has the following characteristics:

- The surface is dirt and liquid repellent
- The colours and the upholstery fabric keep as good as new for a longer time
- The upholstery fabric dries more rapidly
- The upholstery fabric is easier to clean

Methods complying with the DIN EN 20920 norm (spray test) allowing for the characterisation of the repelling effect are suitable for the quality testing of impregnation:



Tests carried out in laboratories illustrate the effect of this finish:

PURINO	unwashed	Spray	100	Maximal
PURINO	7 x washed at 40°	Spray	70	Good

With this finish, the upholstery fabric Purino maintains its soft grip and the durability and high-standing quality is ensured.

Polyurethane coating of the textile backing

The additional coating applied to the textile backing prevents liquid from penetrating into the upholstery. The polyurethane membrane repels chemicals and acids and is therefore suitable for use in the health care field.

Fabric density is indicated in „water columns in meters”, according to DIN EN 20811 – a unit of measurement also used for tents, functional clothing, and rainwear. This value is determined as follows: The liquid is applied to the fabric under pressure (1 water column meter = 0.1 bar). Then the pressure at which the fabric allows liquid to penetrate is determined. Examples:

Rainwear	> 1,3 m wc
Cover tent	> 1.5 m wc
Tent floor	> 2.0 m wc

Our upholstery fabric Purino with its polyurethane membrane coating was tested in the laboratory and found to have the following value:

Purino	> 5.0 m wc
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