

## Gabriel internal test report for bleach cleanability

<b>Test performed:</b>	05. Oct. 2020
<b>Test:</b>	BIFMA HCF 8.1-2019 Health Care Furniture design guidelines or cleanability & ACT Test Method 1-2020
<b>Bleach concentration:</b>	1:10 Sodium Hypochlorite 5.25 – 6.25 %
<b>Product tested:</b>	8622 Xpress – 100 % polyester – foam 100% pu – backing 100% polyester

Gabriel tests all polyester fabrics, and tests include all colour options for each fabric. Tests are conducted in accordance with BIFMA's and ACT's recommended cleanability guidelines for use of cleaners, sanitisers and disinfectants on fabrics in hospitals and health care settings. The test result for each colour includes an assessment of the risk for colour change, when bleach is applied to the fabric in the concentrations required in health care environments.

When choosing a bleach-cleanable product, it is important to be aware that a variety of test methods to evaluate bleach resistance exist. Consequently, we recommend that you always ensure that the test method applied to a specific fabric meets the requirements - in terms of bleach concentration, application and contact time - for the specific context and environment in which the fabric will be used.

The test method applied by Gabriel is extremely thorough, and we consider it to be the best test available to assess and inform about the risk for colour change when using chlorine products.

### Test description

1 ml of hospital grade disinfectant cleaner - diluted in accordance with the manufacturer's instructions - is applied to the centre of the test specimen. The solution is allowed to set for a period of two hours, after which any remaining liquids are blotted up (on both face and back).

The process is repeated for a total of ten times. Two hours after the 10<sup>th</sup> application, three ml of water are applied, excess fluids are blotted up with a clean white cloth, and the test specimen is allowed to air dry. The last step is repeated if chemical residue remains.

The material is evaluated by comparing the test specimen with AATCC Grey Scale for Color change.

### Rating system – Grades according to AATCC Grey scale

Grade 5 – Very good-excellent

Grade 4 – Good

Grade 3 – Fair-moderate

Grade 2 – Poor behaviour

Grade 1 – Very poor

### Acceptance criteria according ACT/BIFMA.

**Colour Change:** Grade 4 minimum

**Colour Transfer:** Not permitted

**Physical damage:** Not permitted

Fabric	Colour	Name	Risk for colour changes*	Result
Xpress	66009	Blue	Low	5
Xpress	60162	Light Beige	Low	4-5
Xpress	60999	Black	Low	4-5
Xpress	65011	Light purple	Low	4-5
Xpress	66008	Light blue	Low	4-5
Xpress	66010	Dark blue	Low	4-5
Xpress	60003	Light grey	Low	4
Xpress	61183	Beige	Low	4
Xpress	63013	Orange	Low	4
Xpress	63062	Orange	Low	4
Xpress	64083	Red	Low	4
Xpress	65082	Violet	Low	4
Xpress	68005	Green	Low	4
Xpress	68106	Dark Green	Low	4
Xpress	68107	Dark Grey Green	Low	4
Xpress	60004	Grey	Medium	3-4
Xpress	61003	Brown	Medium	3-4
Xpress	61004	Dark brown	Medium	3-4
Xpress	61184	Dark Brown	Medium	3-4
Xpress	62002	Yellow	Medium	3-4
Xpress	65081	Purple	Medium	3-4
Xpress	68002	Green	Medium	3-4

*\*) Low risk = Grade 4-5; Medium risk = Grade 3-4; High risk = Grade 3 and below*

Gabriel A/S confirms that the above results were obtained after testing the specimen in accordance with the procedures and equipment specified above.

**Gabriel A/S**



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