Gabriel internal test report for bleach cleanability

Test performed:	23 Oct. 2020
Test:	BIFMA HCF 8.1-2019 Health Care Furniture design guidelines or cleanability & ACT Test Method 1-2020
Bleach concentration:	1:10 Sodium Hypochlorite 5.25 – 6.25 %
Product tested:	2540 Contour – 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^{th} 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
Contour	68106	Green	Low	4-5
Contour	66069	Blue	Low	4
Contour	66213	Light Blue	Medium	3-4
Contour	66214	Blue	Medium	3-4
Contour	67033	Dark Turquoise	Medium	3-4
Contour	60088	Grey	High	3
Contour	61138	Light Beige	High	3
Contour	61147	Light Grey	High	3
Contour	62113	Yellow	High	3
Contour	66104	Dark Blue	High	3
Contour	67016	Turquoise	High	3
Contour	68237	Green	High	3
Contour	68238	Light Green	High	3
Contour	60003	Grey	High	2-3
Contour	60158	Dark Grey	High	2-3
Contour	61215	Beige	High	2-3
Contour	61216	Brown	High	2-3
Contour	62041	Green Yellow	High	2-3
Contour	64119	Red	High	2-3
Contour	64235	Light Red	High	2-3
Contour	68130	Dark Green	High	2-3
Contour	68239	Green	High	2-3
Contour	60999	Black	High	2
Contour	61113	Dark Brown	High	2
Contour	68240	Blue Green	High	2
Contour	64092	Dark Red	High	1-2

**) 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

Kurt Nedergaard
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