Gabriel internal test report for bleach cleanability

Test performed:	05 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:	2480 Cura – 98 % post-consumer recycled polyester – 2 % 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 10th 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
Cura	60112	Light Grey	Low	5
Cura	60110	Light Grey	Low	4-5
Cura	60111	Black	Low	4-5
Cura	66165	Dark Grey Blue	Low	4-5
Cura	61168	Light Beige	Low	4-5
Cura	67084	Turquoise	Low	4-5
Cura	66166	Light Grey Blue	Low	4-5
Cura	66167	Light Blue	Low	4-5
Cura	66169	Dark Blue	Low	4-5
Cura	64013	Red	Low	4-5
Cura	63078	Orange	Low	4-5
Cura	68180	Light Yellow Green	Low	4-5
Cura	68184	Light Blue Green	Low	4-5
Cura	68185	Blue Green	Low	4-5
Cura	60019	Dark Grey	Low	4
Cura	66168	Blue	Low	4
Cura	65105	Purple	Low	4
Cura	64193	Light Red	Low	4
Cura	64195	Light Red	Low	4
Cura	65104	Violet	Low	4
Cura	63012	Dark Orange	Low	4
Cura	68186	Light Green	Low	4
Cura	68187	Light Blue Green	Low	4
Cura	60109	Grey	Medium	3-4
Cura	61169	Beige	Medium	3-4
Cura	64194	Light Red	Medium	3-4
Cura	62083	Yellow	Medium	3-4
Cura	68181	Light Green	Medium	3-4
Cura	68182	Dark Green	Medium	3-4
Cura	68183	Yellow Green	Medium	3-4
Cura	64197	Orange Red	High	3
Cura	62082	Dark Yellow	High	3
Cura	62084	Green Yellow	High	3
Cura	66170	Blue	High	2-3
Cura	65106	Dark Violet	High	2
Cura	64196	Dark Orange Red	High	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

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