Gabriel internal test report for bleach cleanability

Test performed:	12 July 2024
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:	Amaze Loop – 100% post-consumer/post-industrial rec.pes/pes(contains 2-7% textile waste)

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, sanitizers 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 center 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
2572	60365	Dark Grey	Low	4-5
2572	60367	Dark Grey	Low	4-5
2572	61309	Dark Beige	Low	4-5
2572	62153	Dark Yellow	Low	4-5
2572	66279	Dark Blue	Low	4-5
2572	66280	Blue	Low	4-5
2572	68318	Dark Green	Low	4-5
2572	68322	Dark Yellow Green	Low	4-5
2573	60368	Light Grey	Low	4-5
2573	61310	Beige	Low	4-5
2573	66281	Light Blue	Low	4-5
2573	68319	Light Green	Low	4-5
2572	60999	Black	Low	4
2572	61308	Dark Beige	Low	4
2572	61311	Dark Red Brown	Low	4
2572	61315	Dark Brown	Low	4
2572	62151	Dark Beige Yellow	Low	4
2572	63147	Dark Yellow Orange	Low	4
2572	63150	Dark Red Orange	Low	4
2572	64284	Dark Red	Low	4
2572	66278	Dark Blue	Low	4
2573	60366	Grey	Low	4
2573	61314	Brown	Low	4
2573	62152	Light Beige Yellow	Low	4
2573	68323	Light Yellow Green	Low	4
2572	61313	Dark Brown	Medium	3-4
2572	63149	Dark Orange	Medium	3-4
2572	68320	Dark Green	Medium	3-4
2573	61312	Red Brown	Medium	3-4
2573	63148	Light Yellow Orange	Medium	3-4
2573	62154	Yellow	High	3
2573	68321	Yellow Green	High	3

**) 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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