Gabriel internal test report for bleach cleanability

Test performed:	27 April 2023
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:	Renewed Loop Screen – 100% post-consumer/ post-industrial recycled polyester (contains 3-10% textile waist)

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
Renewed Loop Screen	60799	Black	Low	5
Renewed Loop Screen	60739	Grey	Low	5
Renewed Loop Screen	60741	Dark Grey	Low	5
Renewed Loop Screen	68792	Blue Green	Low	5
Renewed Loop Screen	68795	Dark Green	Low	5
Renewed Loop Screen	60740	Dark Grey	Low	4-5
Renewed Loop Screen	60742	Dark Grey	Low	4-5
Renewed Loop Screen	61780	Beige	Low	4-5
Renewed Loop Screen	61781	Dark Beige	Low	4-5
Renewed Loop Screen	61782	Dark Beige	Low	4-5
Renewed Loop Screen	61783	Brown	Low	4-5
Renewed Loop Screen	64764	Dark Red	Low	4-5
Renewed Loop Screen	66754	Blue	Low	4-5
Renewed Loop Screen	66755	Blue	Low	4-5
Renewed Loop Screen	66756	Dark Blue	Low	4-5
Renewed Loop Screen	67731	Turquoise	Low	4-5
Renewed Loop Screen	67732	Turquoise	Low	4-5
Renewed Loop Screen	68790	Blue Green	Low	4-5
Renewed Loop Screen	68791	Blue Green	Low	4-5
Renewed Loop Screen	68794	Green	Low	4-5
Renewed Loop Screen	60738	Grey	Low	4
Renewed Loop Screen	63733	Light Orange	Low	4
Renewed Loop Screen	64762	Red	Low	4
Renewed Loop Screen	66758	Green Blue	Low	4
Renewed Loop Screen	68787	Green	Low	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

Kurt Nedergaard
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