

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:	Repetto – 99% post-consumer recycled polyester/1% 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
Repetto	1401	Light Grey	Low	4
Repetto	1801	Beige	Low	4
Repetto	3001	Blue Green	Low	4
Repetto	3201	Green	Low	4
Repetto	3501	Yellow	Low	4
Repetto	1101	Black	Medium	3-4
Repetto	1301	Grey	Medium	3-4
Repetto	2901	Turquoise	Medium	3-4
Repetto	3101	Light Blue Green	Medium	3-4
Repetto	3301	Light Green	Medium	3-4
Repetto	3401	Dark Yellow	Medium	3-4
Repetto	1201	Dark Grey	High	3
Repetto	1701	Light Brown	High	3
Repetto	2001	Orange	High	3
Repetto	2401	Light Red	High	3
Repetto	2501	Purple	High	3
Repetto	2701	Blue	High	3
Repetto	2801	Light Blue	High	3
Repetto	2201	Dark Red	High	2-3
Repetto	2601	Red Blue	High	2-3
Repetto	1501	Dark Brown	High	2
Repetto	1601	Brown	High	2
Repetto	1901	Dark Orange	High	2
Repetto	2101	Orange Red	High	2
Repetto	2301	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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