

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:	2440 Step – 100% Trevira CS

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
Step	60999	Black	Low	4
Step	65011	Dark Violet	Medium	3-4
Step	67004	Light Blue Green	Medium	3-4
Step	67007	Turquoise	Medium	3-4
Step	67073	Turquoise	Medium	3-4
Step	68118	Light Green	Medium	3-4
Step	68162	Green	Medium	3-4
Step	68163	Yellow Green	Medium	3-4
Step	60004	Light Grey	High	3
Step	60091	Light Grey	High	3
Step	61102	Dark Brown	High	3
Step	61149	Beige	High	3
Step	62073	Yellow	High	3
Step	64013	Red	High	3
Step	64180	Red	High	3
Step	65018	Blue Violet	High	3
Step	65023	Purple	High	3
Step	66018	Light Blue	High	3
Step	66151	Blue	High	3
Step	68119	Green	High	3
Step	68120	Green	High	3
Step	68121	Dark Green	High	3
Step	68157	Green	High	3
Step	68160	Green	High	3
Step	64159	Dark Orange	High	2-3
Step	65047	Dark Purple	High	2-3
Step	65090	Violet	High	2-3
Step	65092	Light Purple	High	2-3
Step	66019	Blue Grey	High	2-3
Step	66148	Blue	High	2-3
Step	66149	Blue	High	2-3
Step	66150	Blue	High	2-3
Step	66152	Grey Blue	High	2-3
Step	67072	Light Turquoise	High	2-3
Step	68158	Dark Green	High	2-3
Step	68161	Dark Green	High	2-3
Step	60011	Grey	High	2
Step	60089	Grey	High	2
Step	60090	Dark Grey	High	2
Step	60092	Dark Grey	High	2
Step	61150	Dark Brown	High	2
Step	62057	Dark Yellow	High	2
Step	63012	Dark Orange	High	2
Step	63075	Orange Brown	High	2
Step	63082	Orange	High	2
Step	64177	Light Red	High	2

Step	64178	Light Red	High	2
Step	64179	Red	High	2
Step	68159	Light Green	High	2
Step	68164	Yellow Green	High	2
Step	68165	Yellow Green	High	2
Step	60021	Dark Grey	High	1-2
Step	61103	Dark Beige	High	1-2
Step	65093	Light Purple	High	1-2
Step	65091	Dark Violet	High	1
Step	65094	Purple	High	1
Step	65095	Dark Purple	High	1

**) 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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