

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:	2477 Felicity – 100 % post-consumer recycled 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
Felicity	60999	Black	Low	4-5
Felicity	66164	Dark Blue	Low	4-5
Felicity	67083	Dark Turquoise	Low	4-5
Felicity	60105	Light Grey	Low	4
Felicity	61163	Light Beige	Low	4
Felicity	66163	Blue	Low	4
Felicity	67081	Blue Green	Low	4
Felicity	60106	Grey	Medium	3-4
Felicity	60108	Dark Grey	Medium	3-4
Felicity	61164	Light Brown	Medium	3-4
Felicity	64189	Light Red	Medium	3-4
Felicity	65102	Purple	Medium	3-4
Felicity	65103	Dark Purple	Medium	3-4
Felicity	66161	Light Grey Blue	Medium	3-4
Felicity	66162	Grey Blue	Medium	3-4
Felicity	67079	Turquoise	Medium	3-4
Felicity	67080	Light Blue Green	Medium	3-4
Felicity	67082	Dark Blue Green	Medium	3-4
Felicity	68178	Light Green	Medium	3-4
Felicity	68179	Green	Medium	3-4
Felicity	62080	Green Yellow	Medium	3-4
Felicity	60107	Blue Grey	High	3
Felicity	61165	Brown	High	3
Felicity	61166	Dark brown	High	3
Felicity	61167	Red Brown	High	3
Felicity	63088	Red Orange	High	3
Felicity	64190	Red	High	3
Felicity	62081	Dark Green Yellow	High	3
Felicity	63087	Orange	High	2-3
Felicity	63089	Dark Orange	High	2-3
Felicity	64191	Dark Red	High	2-3

*) 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



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