Gabriel®

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:	2449 Go Couture – 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
Go Couture	60079	White	Low	4-5
Go Couture	61138	Beige	Low	4-5
Go Couture	61142	Yellow brown	Low	4
Go Couture	66140	Dark blue	Low	4
Go Couture	68152	Dark green	Low	4
Go Couture	68154	Yellow green	Low	4
Go Couture	68168	Light green	Low	4
Go Couture	68170	Yellow green	Low	4
Go Couture	60083	Grey	Medium	3-4
Go Couture	60084	Dark grey	Medium	3-4
Go Couture	60093	Light grey	Medium	3-4
Go Couture	61143	Yellow brown	Medium	3-4
Go Couture	61145	Dark Brown	Medium	3-4
Go Couture	62071	Yellow green	Medium	3-4
Go Couture	63079	Orange	Medium	3-4
Go Couture	64174	Light red	Medium	3-4
Go Couture	64175	Red	Medium	3-4
Go Couture	64183	Light Red	Medium	3-4
Go Couture	65085	Light purple	Medium	3-4
Go Couture	66135	Light blue	Medium	3-4
Go Couture	66136	Blue	Medium	3-4
Go Couture	66137	Dark blue	Medium	3-4
Go Couture	66138	Dark blue	Medium	3-4
Go Couture	67071	Blue green	Medium	3-4
Go Couture	68149	Dark green	Medium	3-4
Go Couture	68153	Light green	Medium	3-4
Go Couture	68169	Green	Medium	3-4
Go Couture	60080	Light grey	High	3
Go Couture	61139	Brown	High	3
Go Couture	61140	Brown	High	3
Go Couture	61141	Dark Brown	High	3
Go Couture	63080	Orange	High	3
Go Couture	64171	Red	High	3
Go Couture	66139	Blue	High	3
Go Couture	67070	Green blue	High	3
Go Couture	60081	Grey	High	2-3
Go Couture	61144	Brown	High	2-3
Go Couture	64172	Dark red	High	2-3
Go Couture	65086	Purple	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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