

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:	8808 Hush – 80% polyester – 20 % viscose

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
Hush	66170	Blue	Low	4-5
Hush	60900	Black	Medium	3-4
Hush	61176	Dark Brown	Medium	3-4
Hush	64120	Red	Medium	3-4
Hush	66133	Dark Blue	Medium	3-4
Hush	67046	Blue	Medium	3-4
Hush	67048	Green	Medium	3-4
Hush	61225	Beige	High	3
Hush	68103	Green	High	3
Hush	68160	Dark Green	High	3
Hush	60154	Dark Grey	High	2-3
Hush	60159	Grey	High	2-3
Hush	61174	Light Brown	High	2
Hush	63058	Orange	High	2
Hush	63083	Orange	High	2
Hush	65077	Purple	High	2
Hush	68159	Green	High	2
Hush	65078	Dark Purple	High	1-2
Hush	60155	Grey	High	1
Hush	60156	Light Grey	High	1
Hush	60158	Grey	High	1
Hush	60203	Light Grey	High	1
Hush	61226	Light Beige	High	1
Hush	62068	Yellow	High	1
Hush	64148	Light Red	High	1
Hush	66135	Light Blue	High	1
Hush	66169	Light Blue	High	1
Hush	68102	Light Green	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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