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:	2475 Bond – 98 % post-consumer recycled polyester – 2 % 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
Bond	60094	Light grey	Low	4-5
Bond	61156	Light beige	Low	4-5
Bond	66158	Blue	Low	4-5
Bond	66159	Dark blue	Low	4-5
Bond	66160	Dark blue	Low	4-5
Bond	60097	Dark grey	Low	4
Bond	61155	Beige	Low	4
Bond	61158	Light brown	Low	4
Bond	64185	Red	Low	4
Bond	64186	Red	Low	4
Bond	65100	Dark purple	Low	4
Bond	66157	Light blue	Low	4
Bond	68175	Light green	Low	4
Bond	67078	Turquise	Low	4
Bond	67077	Dark turquise	Low	4
Bond	62078	Green yellow	Low	4
Bond	61157	Beige	Medium	3-4
Bond	62077	Yellow	Medium	3-4
Bond	61160	Brown	Medium	3-4
Bond	64188	Light red	Medium	3-4
Bond	65099	Light purple	Medium	3-4
Bond	68176	Green	Medium	3-4
Bond	68177	Green	Medium	3-4
Bond	63085	Orange	High	3
Bond	63084	Dark orange	High	3
Bond	64187	Dark red	High	3
Bond	60096	Grey	High	2-3
Bond	60095	Dark grey	High	2-3
Bond	61159	Dark brown	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

Kurt Nedergaard
Director of CSR & Quality