

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:	2496/2500 Mica Light – 97% post-consumer recycled polyester – 3% 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
Mica Light	60000	White	Low	5
Mica Light	60004	Light Grey	Low	4-5
Mica Light	61008	Light Beige	Low	4-5
Mica Light	66031	L. Blue	Low	4-5
Mica Light	68145	Light Green	Low	4-5
Mica Light	68146	Green	Low	4-5
Mica Light	60002	Grey	Low	4
Mica Light	61011	Light Brown	Low	4
Mica Light	62093	Light Yellow	Low	4
Mica Light	62096	Yellow	Low	4
Mica Light	64029	Dark Red	Low	4
Mica Light	64119	Red	Low	4
Mica Light	64146	Orange Red	Low	4
Mica Light	66030	Blue	Low	4
Mica Light	67015	Light Green	Low	4
Mica Light	60021	Dark Grey	Medium	3-4
Mica Light	62048	Green Yellow	Medium	3-4
Mica Light	65112	Purple	Medium	3-4
Mica Light	66006	Dark Blue	Medium	3-4
Mica Light	67017	Dark Turquoise	Medium	3-4
Mica Light	67042	Blue green	Medium	3-4
Mica Light	62095	Brown Yellow	High	3
Mica Light	64183	Light Red	High	3
Mica Light	66188	Violet	High	3
Mica Light	67070	Green Blue	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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