

Gabriel internal test report for bleach cleanability

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| Test performed: | 27 April 2023 |
| 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: | Renewed Loop – 100% post-consumer/ post-industrial recycled polyester (contains 3-10% textile waist) |

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, sanitizers 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 center 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 |
|---------------|---------------|-------------------|---------------------------------|---------------|
| Renewed Loop | 60999 | Black | Low | 5 |
| Renewed Loop | 60339 | Grey | Low | 5 |
| Renewed Loop | 60341 | Dark Grey | Low | 5 |
| Renewed Loop | 62140 | Green Yellow | Low | 5 |
| Renewed Loop | 62141 | Dark Green Yellow | Low | 5 |
| Renewed Loop | 68285 | Yellow Green | Low | 5 |
| Renewed Loop | 68292 | Blue Green | Low | 5 |
| Renewed Loop | 68293 | Dark Blue Green | Low | 5 |
| Renewed Loop | 68295 | Dark Green | Low | 5 |
| Renewed Loop | 60340 | Dark Grey | Low | 4-5 |
| Renewed Loop | 60342 | Dark Grey | Low | 4-5 |
| Renewed Loop | 61280 | Beige | Low | 4-5 |
| Renewed Loop | 61281 | Dark Beige | Low | 4-5 |
| Renewed Loop | 61282 | Dark Beige | Low | 4-5 |
| Renewed Loop | 61283 | Brown | Low | 4-5 |
| Renewed Loop | 61285 | Dark Brown | Low | 4-5 |
| Renewed Loop | 63135 | Dark Orange | Low | 4-5 |
| Renewed Loop | 64264 | Dark Red | Low | 4-5 |
| Renewed Loop | 66254 | Blue | Low | 4-5 |
| Renewed Loop | 66255 | Blue | Low | 4-5 |
| Renewed Loop | 66256 | Dark Blue | Low | 4-5 |
| Renewed Loop | 66259 | Green Blue | Low | 4-5 |
| Renewed Loop | 66260 | Dark Green Blue | Low | 4-5 |
| Renewed Loop | 67131 | Turquoise | Low | 4-5 |
| Renewed Loop | 67132 | Turquoise | Low | 4-5 |
| Renewed Loop | 67133 | Dark Turquoise | Low | 4-5 |
| Renewed Loop | 68283 | Yellow Green | Low | 4-5 |
| Renewed Loop | 68288 | Yellow Green | Low | 4-5 |
| Renewed Loop | 68289 | Dark Yellow Green | Low | 4-5 |
| Renewed Loop | 68290 | Blue Green | Low | 4-5 |
| Renewed Loop | 68291 | Blue Green | Low | 4-5 |
| Renewed Loop | 68294 | Green | Low | 4-5 |
| Renewed Loop | 60338 | Grey | Low | 4 |
| Renewed Loop | 63131 | Orange | Low | 4 |
| Renewed Loop | 63132 | Dark Orange | Low | 4 |
| Renewed Loop | 63133 | Light Orange | Low | 4 |
| Renewed Loop | 63134 | Orange | Low | 4 |
| Renewed Loop | 64262 | Red | Low | 4 |
| Renewed Loop | 64263 | Red | Low | 4 |
| Renewed Loop | 66258 | Green Blue | Low | 4 |
| Renewed Loop | 66261 | Green | Low | 4 |
| Renewed Loop | 68286 | Dark Green | Low | 4 |
| Renewed Loop | 68287 | Green | Low | 4 |
| Renewed Loop | 68296 | Dark Green | Low | 4 |
| Renewed Loop | 61284 | Dark Brown | Medium | 3-4 |
| Renewed Loop | 66257 | Dark Blue | Medium | 3-4 |

Renewed Loop 68284 Yellow Green Medium 3-4
*) 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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