

Cleaning for High-Use Environments

Generation by Knoll®

Healthcare environments require an easy to clean, easy to operate work chair that can withstand the rigors of a 24/7, multi-shift environment without sacrificing performance and comfort. Generation by Knoll's Flex Back Net and structural components are flexible, light and durable.

They successfully passed testing for common healthcare cleaning agents. Below is a summary of the test process.

Scope

Precision Testing Laboratories subjected Generation's structural components, including the Flex Back Net, to five cleaning solutions common to healthcare environments to assess any impact on the parts.

Evaluation

Each part was evaluated in a before-and-after comparative process. Test information on untreated parts was compared to test data from the same parts after exposure to the cleaning agents. These parts were evaluated for colorfastness, surface durometer, surface cracking, tackiness, luster, and surface finish.

Protocol

Each part was evaluated for its physical aspects. Then each part was immersed in a bath of cleaning agent for 15 minutes, after which an identical set of evaluations was conducted.

Cleaning Agents

The following solutions were tested and are approved for use on structural parts (in both Light and Dark finishes), including the Flex Back Net (in all colors):

- + Clorox Germicidal Liquid Bleach diluted 1:5 ratio to tap water (pH 3.7)
- + Clorox Cleanup undiluted 100% solution (pH 9.7)
- + Wex-Cide 128 Concentrate Phenolic Germicide by Wexford Labs diluted 1 ounce to 1 gallon tap water (pH 3.7)
- + Formula 880 Quaternary Germicide by Grand Technologies diluted ½ ounce to 1 gallon tap water (pH 8.1)
- + Hydroxi Pro Concentrate 128 by Core Products diluted 1:8 ratio to tap water (pH 7.2)

Parts Tested

The following parts were tested: arms, bases, casters, seat structures (not foam or upholstery) and the Flex Back Net.



Results

The laboratory found no negative result to the parts. The parts kept their original performance and appearance other than residue left by some cleaners, which can be easily removed with a wet cloth.

Additional Testing

In addition to the testing detailed above, Knoll has conducted internal testing of Virox 5 RTU cleaning solution on Generation with no adverse affects.

Please note: Knoll can only attest to the results of the cleaning agents and solutions tested.

Seat Upholstery

The Generation by Knoll upholstered seat cushion was not tested. It can, however, be upholstered with the following types of high performance fabrics by KnollTextiles for use in healthcare applications. Visit KnollTextiles.com for specific patterns and colors and for application approvals on Knoll Office Seating.

- + **Crypton®**: Moisture barrier plus stain, odor and bacteria resistance
- + **Nano-Tex®**: Soil and stain resistance; Nano-Tex® with DuraBlock: Moisture barrier plus soil and stain resistance
- + **Polyurethane**: Moisture barrier
- + **Solution Dyed**: Fade resistance