

Knoll Healthcare

Chadwick™ for Healthcare

Healthcare environments require an easy to clean, easy to operate task chair that can withstand the rigors of a 24-hour, 7 days a week, multi shift work environment without sacrificing performance and comfort. Chadwick features a light, injection molded, closed frame and highly durable fabric seat and back, which are easily cleaned with diluted bleach solutions and by wet washing techniques.

Knoll, through third party Precision Testing Laboratories, has found that Chadwick successfully passes testing for five cleaning agents commonly used in healthcare facilities. Please see below for a summary of the test process.

Scope

Precision Testing Laboratories subjected Chadwick to a set of cleaning solutions common to medical environments to assess the impact, if any, of the cleaning agents on the parts.

Evaluation

Each component was evaluated in a before-and-after comparative process. Test information on untreated chair parts was compared to test data from the same parts after exposure to the cleaning agent. Evaluation of Chadwick fabric included Standard ASTM test methods for colorfastness, luster, tensile strength, tearing, and crocking (wet & dry). Non-textile components 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:

- Clorox Germicidal Liquid Bleach diluted 1:5 ratio to tap water (pH 3.7)
- Clorox Cleanup undiluted 100% solution (pH 9.7)
- Wexcide128 Concentrate PhenolicGermicide by Wexford Labs diluted 1 ounce to 1 gallon tap water (pH 3.7)
- Formula 880 Quaternary Germicide by Grand Technologies diluted ½ounce 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, fabric, seat structures with fabric, and seat structures without fabric.

Results

The laboratory found no negative result to the overall performance of the chair. There was no bleeding of color in the fabric. The chair parts did not lose hardness after immersion in the cleaning solutions. The parts kept their original appearance other than standard residue left by some cleaners, which can be easily removed with a wet cloth.

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

