

# Cleaning for High-Use Environments

## Spark® Series

Healthcare environments require easy to clean, durable stacking chairs that can withstand the rigors of a 24-hour, 7 days a week, multi shift work environment. The Spark Series of stacking side and lounge chairs are made using an innovative co-injection molding process that creates light, sturdy, easy-to-clean chairs made of only one part.

Spark is easily cleaned with diluted bleach solutions and by wet washing techniques.

Knoll, through third party Precision Testing Laboratories, has found that Spark 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 Spark 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 one-part chair was evaluated in a before-and-after comparative process. Test information on untreated chairs was compared to test data from the same chairs after exposure to the cleaning agent. The chairs were evaluated for colorfastness, surface cracking, tackiness, luster and finish.

### Protocol

One of each color chair was evaluated for its appearance. Then each chair was immersed in a bath of cleaning agent for 30 minutes, after which an identical set of evaluations was conducted.

### Cleaning Agents

- + Clorox Germicidal Liquid Bleach diluted 1:5 ratio to tap water (pH 9.7)
- + Clorox Cleanup undiluted 100% solution (pH 10.1)
- + Wex-Cide 128 Concentrate Phenolic Germicide by Wexford Labs diluted 1 ounce to 1 gallon tap water (pH 3.4)
- + Formula 880 Quaternary Germicide by Grand Technologies diluted ½ ounce to 1 gallon tap water (pH 7.6)
- + Hydroxi Pro Concentrate 128 by Core Products diluted 1:8 ratio to tap water (pH 5.1)



### Results

The laboratory found no negative result to the overall appearance of the chairs 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.*

### Additional Testing

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