

## Antimicrobial Cleansers and Versteel Furniture Materials

**Purpose of Test** To determine the ability of materials used in Versteel furniture to withstand cleaning with antimicrobial cleaning agents.

**Test Methodology** Various material samples were subjected to common available antimicrobial cleaning agents – ammonia, bleach-based cleanser, isopropyl alcohol, peroxide, and Lysol cleanser. The solutions were applied to the samples and allowed to remain on them for 4 hours. The cleaners were then wiped off of the samples, and the samples were examined for staining and/or damage to the material surface.

Surface effects were categorized into 4 different levels of effect:

- N – No effect. No visible change to the material surface.
- S – Slight effect. Very faint discoloration and/or surface marring.
- M – Moderate effect. Noticeable discoloration and/or surface marring.
- X – Severe effect. Noticeable damage to the material surface.

### Test Results

Test Material	Ammonia Cleanser	Bleach Cleanser	Isopropyl Alcohol	Peroxide Cleanser	Lysol Cleanser
<b>Top Materials</b>					
-Laminate	N	N	N	N	N
-Wood w/Conv. Varnish Finish	S	S	N	N	N
-Wood w/Polyurethane Finish	N	N	N	N	N
-Acrylic (Krystalcast)	N	N	N	N	N
-Corian / Solid Surface	N	N	N	N	N
-Thermal Foil	S	S	N	N	N
<b>Edge Materials</b>					
-PVC (Flat & T-Mold)	S	M	N	N	N
-Wood w/Conv. Varnish Finish	S	S	N	N	N
-Urethane	N	M	N	N	N
-Acrylic	N	N	N	N	N
<b>Chair Materials</b>					
-Polypropylene (Chair Shells)	N	N	N	N	N
-Wood w/Conv. Varnish Finish	S	S	N	N	N
-Laminate	N	N	N	N	N
<b>Metal Finishes</b>					
-Powder Coat	N	N	N	N	N
-Chrome	N	N	N	N	N