

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
Top Materials					
-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
Edge Materials					
-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
Chair Materials					
-Polypropylene (Chair Shells)	N	N	N	N	N
-Wood w/Conv. Varnish Finish	S	S	N	N	N
-Laminate	N	N	N	N	N
Metal Finishes					
-Powder Coat	N	N	N	N	N
-Chrome	N	N	N	N	N