FINISHING SYSTEM RATINGS

AORBIS

The ratings described in the following chart indicate overall performance scores to provide the specifier with a guide to select the system that meets the resistance needs of the project. These systems are those typically available from architectural door manufacturers. Other systems may be available upon request, subject to individual manufacturer's capabilities. Specify system number and chemical description for clarity, i.e., TR-6 Catalyzed Polyurethane.

CHEMICAL / WEAR	SYSTEM NAME / NUMBER							
	Catalyzed Lacquer		Conversion Varnish		Catalyzed Polyurethane		UV Cured Acrylated Polyester/Urethane	
	Transparent	Opaque	Transparent	Opaque	Transparent	Opaque	Transparent	Opaque
	TR - 2	OP - 2	TR - 4	OP - 4	TR - 6	OP - 6	TR - 8	OP - 8
Vinegar	5	5	5	5	5	5	5	5
Lemon Juice	5	5	5	5	5	5	5	5
Orange Juice	5	5	5	5	5	5	5	5
Catsup	5	5	5	5	5	5	5	5
Coffee	5	5	5	5	5	5	5	5
Olive Oil	5	5	5	5	5	5	5	5
Boiling Water	5	5	5	5	5	5	5	5
Cold Water	5	5	5	5	5	5	5	5
Nail Polish Remover	3	3	4	4	4	4	4	4
Household Ammonia	5	5	5	5	5	5	5	5
VM&P Naphtha	5	5	5	5	5	5	5	5
Isopropyl Alcohol	3	3	5	5	5	5	5	5
Wine	5	5	5	5	5	5	5	5
Windex TM	4	4	5	5	5	5	5	5
409 Cleaner TM	4	4	5	5	5	5	5	5
Lysol TM	5	5	5	5	5	5	5	5
33% Sulfuric Acid	5	5	5	5	5	5	5	5
77% Sulfuric Acid	3	3	1	1	4	4	4	4
28% Ammonium Hydroxide	3	3	5	5	5	5	5	5
Gasoline	5	5	5	5	5	5	5	5
Murphy's Oil Soap TM	5	5	5	5	5	5	5	5
Vodka 100 Proof	5	5	5	5	5	5	5	5
1% Detergent	5	5	5	5	5	5	5	5
10% TSP	5	5	4	4	5	5	5	5
TOTAL	**110**	**110**	**114**	**114**	**118**	**118**	**119**	**119**
Wear Index	4	3	5	5	5	4	5	4
Cold Check	5	5	5	5	5	5	5	5
Adhesion	5	5	5	5	5	5	5	5
SCORE	**124**	**123**	**129**	**129**	**133**	**132**	**134**	**133**

Performance indicator numbers on the Standard Wood Door Finishing Systems chart are used, with the following definitions:

For Chemical Resistance and Wear Index - Abrasion Resistance:

- **5** No effect from the test.
- **4** Minimal effect or slight change and little repair required.
- **3** Some effect, noticeable change and the coating will recover with minimal repairs.
- **2** Moderate effect, performance adversely affected, and repairs required.
- **1** Poor performance and film failure is imminent and repairs difficult.

For Cross Hatch Adhesion

- **5** Edges of the cuts are completely smooth; none of the squares of the lattice is detached.
- **4** Small flakes of the coating are detached at intersections; less than 5% of the area is affected.
- **3** Small flakes of the coating are detached along edges and at intersections of cuts; 5 to 15% of the area is affected.
- **2** Coating has flaked along the edges and on parts of the squares; 15 to 35% of the area is affected.
- **1** Coating has flaked along the edges of the cuts in large ribbons and whole squares have detached; 35 to 65% of the area is affected.

Ver_1_OCT11,2023

Reference: ANSI/WDMA I.S 1A-13 - Approved as an American National Standard
ANSI/WDMA I.S 6A-13 - Approved as an American National Standard

(860) 317-7100 | www.aorbis.com | info@aorbis.com