

Acquaduro™ 2K Polyurethane

Product brochure



Acquaduro™ 2K Polyurethane value proposition



To provide our distributors and their customers with a waterborne technology, supporting the need for a chemical resistant, durable, and sustainable coating for the custom woodworking and refinish markets.

Unique selling points



Excellent chemical and water resistance



Low wood grain rising



Excellent mar and abrasion resistance

Additional benefits



No recoat window



Ease of application

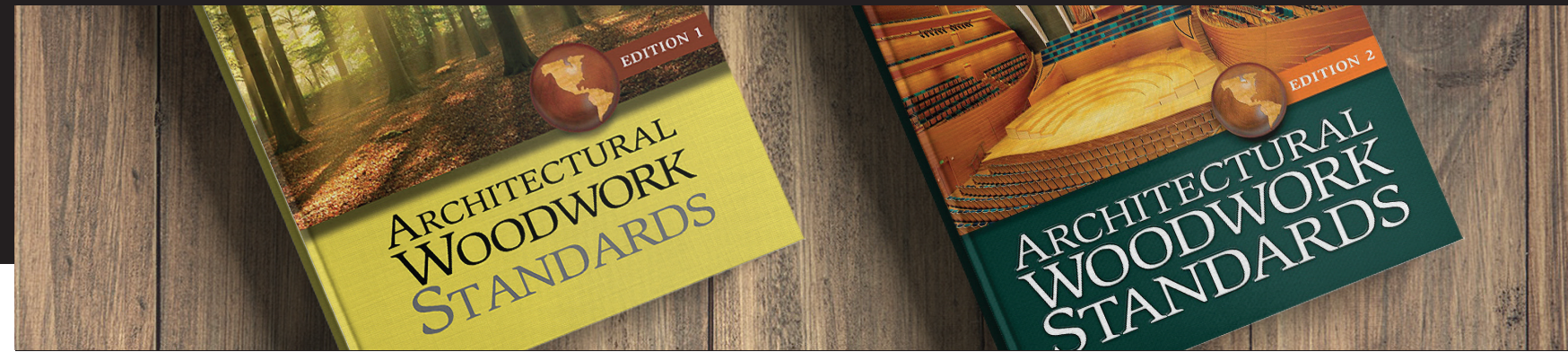


KCMA compliant

Acquaduro 2K Polyurethane North American product line

Product code	Product description	US			Canada		
		Ones container code	Pails container code	Quart container code	Ones container code	Pails container code	Quart container code
550-1760	Acquaduro 1K WB Primer	D.88CG	D4.4PRS	N/A	C-3.42LM	C-18.1M	N/A
550-3400	Acquaduro 2K WB Primer	D.88CG	D4.4PRS	N/A	C-3.42LM	C-18.1M	N/A
876-3400	Acquaduro Hardener	D1FG	N/A	D.25QL	N/A	N/A	C-.946LM
423-34XX	Acquaduro Clear 2K Polyurethane WB Topcoat 5, 10, 20, 35, 50	D.88CG	D4.4PRS	N/A	C-3.42LM	C-18.1M	N/A
228-34XX	Acquaduro Pigmented 2K Polyurethane Topcoat 10, 20, 35, 50	D.88CG	D4.4PRS	N/A	C-3.42LM	C-18.1M	N/A

AWI specifications



Clear finishes

	Acquaduro Clear	System number												
		1	2	3	4	5	6	7	8	9	10	11	12	13
Vinegar	5	3	4	5	4	5	3	5	4	5	5	5	4	5
Lemon juice	5	3	4	5	4	5	3	5	4	5	5	5	4	5
Orange juice	5	3	4	5	4	5	3	5	4	5	5	5	4	5
Catsup	5	3	4	5	4	5	2	5	4	5	5	5	4	5
Coffee	5	3	4	5	4	5	2	5	4	5	5	5	4	5
Olive oil	5	2	3	5	3	5	2	5	4	5	5	5	4	5
Boiling water	5	3	4	5	4	5	3	5	4	5	5	5	4	5
Cold water	5	5	5	5	5	5	3	5	4	5	5	5	4	5
Nail polish remover	5	1	2	3	2	4	1	2	2	5	5	4	3	4
Household amonia	5	3	4	5	4	5	2	4	2	5	5	5	4	5
VM&P Naphtha	5	3	4	5	4	5	1	4	4	5	5	5	4	5
IPA	5	1	2	3	1	5	2	4	3	5	5	5	4	5
Wine	5	3	4	5	4	5	2	4	4	5	5	5	5	5
Windex	5	3	3	4	3	5	2	3	2	5	4	5	4	5
409 Cleaner	5	3	3	4	4	5	1	4	3	5	5	5	4	5
Lysol	5	3	5	5	4	5	2	4	4	5	5	5	4	5
33% Sulfuric acid	5	3	4	5	3	5	1	4	4	5	5	5	4	5
77% Sulfuric acid	2	1	2	3	1	1	1	2	2	4	3	4	3	4
28% Ammonium hydroxide	5	1	2	3	1	5	1	4	2	5	5	5	3	5
Gasoline	5	1	2	5	2	5	1	4	4	5	5	5	4	4
Murphy's oil	5	5	5	5	5	5	2	4	5	5	5	5	5	5
Vodka	5	3	4	5	4	5	2	4	4	5	5	5	4	5
1% Detergent	5	3	4	5	4	5	3	4	4	5	5	5	5	5
10 % TSP	5	3	4	5	4	4	1	5	4	5	5	5	5	5
Subtotal	117	65	86	110	82	114	46	100	85	119	117	118	97	117
Wear	5	2	3	4	2	5	1	4	4	5	5	5	5	4
Coldcheck	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Adhesion	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total	132	77	99	124	94	129	57	114	99	134	132	133	112	131

Pigmented finishes

	Acquaduro Pigmented	System number												
		1	2	3	4	5	6	7	8	9	10	11	12	13
Vinegar	5	3	4	5	4	5	3	5	4	5	5	5	4	5
Lemon juice	5	3	4	5	4	5	3	5	4	5	5	5	4	5
Orange juice	5	3	4	5	4	5	3	5	4	5	5	5	4	5
Catsup	5	3	4	5	4	5	2	5	4	5	5	5	4	5
Coffee	5	3	4	5	4	5	2	5	4	5	5	5	4	5
Olive oil	5	2	3	5	3	5	2	5	4	5	5	5	4	5
Gasoline	5	1	2	5	2	5	1	4	4	5	5	5	4	4
Grape juice	5	5	5	5	5	5	2	4	5	5	5	5	5	5
1% Detergent	5	3	4	5	4	5	3	4	4	5	5	5	5	5
Total	45	26	34	45	34	45	21	42	37	45	45	45	38	44

Other testing

	Acquaduro Pigmented	Acquaduro Clear
Mustard 1 hr	5	5
Mustard 24 hr	4	5
Black dye	5	5
Ethanol	5	5
Bleach	5	5
Grape juice	5	5
Acetone 5 min	4	4
Hand sanitizer	5	4
Total	38	38
Acetone wipes	200	200

AWI section #5 finishing new format

System	
1	Lacquer, Nitrocellulose
2	Lacquer, Pre-Catalyzed
3	Lacquer, Post-Catalyzed
4	Latex Acrylic, Water Based
5	Varnish, Conversion
6	Oil, Synthetic Penetrating
7	Vinyl, Catalyzed
8	Acrylic Cross Linking, Water Based
9	UV Curable, Acrylated Epoxy, Polyester or Urethane
10	UV Curable, Water Based
11	Polyurethane, Catalyzed
12	Polyurethane, Water Based
13	Polyester, Catalyzed

Acquaduro sheen blending chart

This chart represents the blending of Acquaduro Pigmented 2K WB Polyurethane Topcoat 05 flat sheen and 70 high gloss and the blending of Acquaduro Clear 2K WB Polyurethane Topcoat 05 flat and 80 high gloss to achieve various sheens for both products.

- Tinting should be done with the 896 or 897 line of Chemcraft colorants and should not exceed 7% by volume to ensure good film integrity.
- All sheens are checked with a Gardner Micro Gloss Meter at a 60° angle.
- This chart is to be used as a benchmark guide only. Sheens can vary depending on the "initial gloss" of each lot of material when read at 60° by QC where the variance is +/- 2°.

Target gloss	Acquaduro Clear liquid parts		Acquaduro Pigmented liquid parts	
	423-3480	423-3405	228-3480	228-3405
80	1	0	N/A	N/A
75	50	1	N/A	N/A
70	24	1	1	0
65	16	1	32	1
60	26	2	19	1
55	9	1	13	1
50	7	1	10	1
45	5	1	7	1
40	4	1	11	2
35	3	1	9	2
30	11	5	10	3
25	2	1	5	2
20	7	5	2	1
15	1	1	4	3
10	1	2	2	3
5	0	1	0	1

Acquaduro tint paste selection chart

Product code	Description	Coating type	896 Line	897 Line	Max tint by vol	896 Line oz/gal	Hardener	% by vol
423-34XX	Acquaduro Clear	WB Polyurethane	X	X	7%	9	876-3400	8%
228-34XX	Acquaduro White	WB Polyurethane	X	X	7%	9	876-3400	8%
550- 1760	Acquaduro 1K	Polyurethane WB Primer	X	X	7%	9	X	X
550- 3400	Acquaduro 2K	Polyurethane WB Primer	X	X	7%	9	X	7%



Disclaimer: Product information and suggestions contained in this product booklet are intended as a guide to users. It is offered as accurate and reliable data. However, because of unique customer applications and conditions beyond our control, AKZO NOBEL COATINGS, INC. makes no guarantees with respect to results obtained nor undertakes any obligation or liability of any kind based upon facts presented.

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