



ALGAN®

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PRODUCT SELECTION GUIDE

Algan® Aqueous Coatings



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PERFORMANCE CHARACTERISTICS

POOR-①-----⑤-----⑩- EXCELLENT

Gloss
Matte
Drying
Rub Resistance
Block Resistance
Slip (Low COF)
Non-Skid (High COF)
Heat Resistance
Water Resistance
Grease Resistance
Primer
LOW VOC

General

Algan® 3035N	6	6	7	5						7	7
Algan 3042N	7	7	8	4							
Algan 3048N	7	8	9	8	7						
Algan 3050N/27	8	7	8	6	7						
Algan 3060N	10	7	5	4							
Algan A346N	7	7	5	5							
Algan A467N	9	8	7	6	6						

Work & Turn

Algan 3055N/W9	5	8	8	8	7						8
Algan 3056N/3	7	8	7	7							8
Algan A123N/10	5	10	7	9							7
Algan A333N	9	9	5	9							7
Algan A484N/2	6	7	7	7	7						8
Algan A501N	7	9	8	7	7						7
Algan A644N/1	6	8	7	7						7	10
Algan A650N	6	9	5	9							7

Satin & Matte

Algan A183N	9	6	6							8	
Algan A183N/2	7	6	6							8	
Algan A185N	7	6	7								
Algan A333N	9	9	5	9							7
Algan A650N	6	9	5	9							7
Algan A978N	10	7	5								

Primer

Algan 3021N	8		2							8	
Algan 3022N	9	7	1							10	
Algan 3052N	6	8	5							7	
Algan A183N	9	6	6							8	
Algan A183N/2	7	6	6							8	
Algan A644N/1	6	8	7	7						7	10

Specialty

Algan 3036N/Z1	6	8	7	7							
Algan 3039N/W	5	6	10	6	8						7
Algan 3055N/W9	5	8	8	8	7						8
Algan 3510N	8	7	6	8							10
Algan A003N/W	6	7	7			8					
Algan A034N/W5	5	7	5					9			
Algan A173N/W	6	9	6	8			7				
Algan A724N	7	8	6		10						8
Algan A795N	6	7	5			10		7			7
Algan C111N/1	5	6	8	6			10	7			7
Algan C167K	10	8	9	10			8	8			

These numbers are for comparison purposes only. They should not be interpreted as absolute values since results vary on coverage, ink stock, etc. All stock should be tested for gloss, hold-out, drying and ink capability.

OFFSET LITHO COATINGS

	pH	% SOLIDS	VOC (LBS/GAL)	DENSITY (LBS/GAL)	Features and Applications
Algan® 3035N	8.0-9.0	37-41	0.16	8.5-8.7	General purpose, low odor, good gloss, rub and scuff resistant top coat or UV primer
Algan 3042N	8.0-9.0	38-42	0.5	8.5-8.7	Good gloss and rub resistance
Algan 3048N	8.5-9.5	37-41	0.66	8.4-8.6	Very good gloss with excellent rub resistance
Algan 3050N/27	8.0-9.0	38-42	0.8	8.4-8.6	Excellent combination of gloss, drying, rub and scuff resistance
Algan 3060N	8.0-9.0	41-45	0.8	8.5-8.7	Superior gloss and fast drying
Algan A346N	8.0-9.0	34-38	0.53	8.5-8.7	Economical with good gloss
Algan A467N	8.0-9.0	40-44	0.73	8.5-8.7	High gloss and fast drying

WORK & TURN COATINGS

Algan 3055N/W9	8.5-9.5	36-40	0.1	8.5-8.7	Good gloss, fast drying, good rub, scuff and block resistance on polyboard.
Algan 3056N/3	8.5-9.5	37-41	0.1	8.6-8.8	High gloss with good rub and scuff resistance
Algan A123N/10	8.5-9.5	35-39	0.16	8.5-8.7	Extremely fast drying, good rub and scuff resistance
Algan A333N	8.5-9.5	38-42	0.17	8.7-8.9	Matte finish
Algan A484N/2	8.0-9.0	39-43	0.08	8.6-8.8	Low odor, good gloss
Algan A501N	8.5-9.5	38-42	0.1	8.6-8.8	High gloss, good rub and scuff resistance, low COF
Algan A644N/1	8.5-9.5	39-43	0.05	8.6-8.8	Good gloss top coat and UV primer
Algan A650N	8.5-9.5	35-39	0.15	8.6-8.8	Satin finish with excellent leveling

SATIN & MATTE COATINGS

Algan A183N	8.0-9.0	39-43	0.25	8.7-8.9	Low wax matte primer for spot UV coatings
Algan A183N/2	8.0-9.0	38-42	0.25	8.7-8.9	Low wax satin primer for spot UV coatings
Algan A185N	8.0-9.0	39-43	0.23	8.6-8.8	Satin finish with excellent rub resistance
Algan A333N	8.5-9.5	38-42	0.17	8.7-8.9	Matte work & turn
Algan A650N	8.5-9.5	35-39	0.15	8.6-8.8	Satin work & turn
Algan A978N	8.0-9.0	36-40	0.1	8.8-9.0	Matte finish, excellent burnish resistance

*All "N" coatings have a viscosity of 20-25 seconds/#3 EZ Zahn cup/70°F (21°C).

These coatings have excellent stability through one freeze-thaw cycle except where noted.

Note: All coatings should be stirred to equalize temperature throughout the container.

PRIMER COATINGS

	pH	% SOLIDS	VOC (LBS/GAL)	DENSITY (LBS/GAL)	Features and Applications
Algan® 3021N	8.0-9.0	39-43	0.2	8.6-8.8	Wax-free primer for ink, UV and water-based top coats
Algan 3022N	8.0-9.0	38-42	0.4	8.5-8.7	Wax-free primer for a wide variety UV top coats
Algan 3052N	8.5-9.5	36-40	0.26	8.5-8.7	Fast drying, economical primer
Algan A183N	8.0-9.0	39-43	0.25	8.7-8.9	Low wax matte
Algan A183N/2	8.0-9.0	38-42	0.25	8.7-8.9	Low wax satin
Algan A644N/1	8.5-9.5	39-43	0.05	8.6-8.8	Work & turn primer & top coat

SPECIALTY COATINGS

Algan 3036N/Z1	8.5-9.5	35-39	0.4	8.5-8.7	Excellent drying, adhesion and clarity on foil and metallized paper
Algan 3039N/W	8.0-9.0	39-43	0.19	8.5-8.7	Outstanding rub resistance and slip on cartons and labels
Algan 3055N/W9	8.5-9.5	36-40	0.1	8.5-8.7	Excellent flow, adhesion and block resistance on polyboard
Algan 3510N	8.5-9.5	29-33	Nil	8.5-8.7	Preprint with good gloss and hot mar resistance. Do not freeze.
Algan A003N/W	8.5-9.5	38-42	0.24	8.7-8.9	Heat resistant. Do not freeze.
Algan A034N/W5	8.5-9.5	37-41	0.65	8.4-8.6	Grease resistant with FDA 176.170 and 176.180 conformance
Algan A173N/W	8.0-9.0	32-36	1.04	8.4-8.6	Alkali resistant
Algan A724N	8.5-9.5	39-43	0.1	8.6-8.8	Non-skid with good rub resistance
Algan A795N	8.5-9.5	36-40	0.3	8.9-9.1	High heat resistance with FDA conformance. Do not freeze.
Algan C111N/1	8.0-9.0	39-43	0.26	8.5-8.7	Excellent water resistance
Algan C167K	10.0-11.0	61-65	0.93	8.7-8.9	High gloss flexo/gravure one-part catalytic. Do not freeze. Vis. = 45-50 seconds/2 Z.

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These coatings have excellent stability through one freeze-thaw cycle except where noted.

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FLEXO/GRAVURE COATINGS

	VISCOSITY@70°F SEC/ZAHN CUP	pH	% SOLIDS	VOC (LBS/GAL)	DENSITY (LBS/GAL)	Features and Applications
Algan® 3039H/1	30-35/#2	8.0-9.0	32-36	0.67	8.3-8.5	Good gloss top coat and UV primer
Algan A186E	20-25/#2	8.5-9.5	33-37	0.02	8.6-8.8	Excellent rub resistance, low VOC
Algan A377H/1	30-35/#2	8.0-9.0	38-42	0.9	8.4-8.6	Excellent gloss, slip, drying with "UV feel"
Algan A628M/5	15-20/#3	8.0-9.0	33-37	0.52	8.5-8.7	Economical, fast drying
Algan A629H	30-35/#2	8.5-9.5	34-38	0.03	8.6-8.8	Non-skid (high COF), low VOC
Algan A913J	40-45/#2	8.5-9.5	31-35	0.26	8.5-8.7	Line lube resistant
Algan C084H/1	30-35/#2	8.0-9.0	36-40	0.06	8.6-8.8	Excellent slip (low COF), low VOC
Algan C113H	30-35/#2	8.0-9.0	37-41	0.12	8.6-8.8	Gravure. Good gloss and rub resistance.

WATERPRINT VARNISHES (INK TRAIN COATINGS)

	VISCOSITY (cps @ 77°F)					
Algan 3302	1400-1600	8.5-9.5	41-45	3.05	8.8-9.0	Primer for aqueous and UV top coats
Algan 3303	1400-1600	8.5-9.5	42-46	3.04	9.0-9.2	Matte finish, good rub resistance
Algan 3304	1500-1700	8.0-9.0	44-48	2.34	8.7-8.9	Excellent gloss and rub resistance with FDA conformance
Algan 3305	1500-1700	8.0-9.0	41-45	2.14	8.7-8.9	High gloss, excellent drying, non-porous stocks or work & turn
Algan 3306	1500-1700	8.0-9.0	42-46	2.39	8.8-9.0	High gloss, fast drying (slower than 3305)
Algan 3307	1500-1800	8.0-9.0	43-47	2.84	8.8-9.0	Very high gloss, web and sheetfed
Algan 3309	3200-3500	8.0-9.0	44-48	3.28	8.8-9.0	Excellent gloss, high viscosity
Algan 3310	1500-1700	8.5-9.5	42-46	3.02	8.9-9.1	Satin finish, good rub resistance
Algan 3313	1500-1700	8.0-9.0	43-47	2.28	8.7-8.9	Paper plates
Algan 3314	1500-1700	8.0-9.0	45-49	2.94	9.0-9.2	Matte finish, good rub, web and sheetfed
Algan 3315	1800-2200	8.0-9.0	45-49	3.4	8.8-9.0	Very high gloss, excellent press stability
Algan 3317/1	3000-3400	8.0-9.0	42-46	2.71	8.0-9.0	Excellent gloss and rub, low odor work & turn, high viscosity
Algan 3320	1500-1700	8.0-9.0	44-48	2.88	8.9-9.1	Satin finish, good rub, web & sheetfed work & turn

The above products have excellent stability through one freeze-thaw cycle.
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