

V-SEAL™ Acrylic Urethane Sealers

DAS3021 White
 DAS3025 Gray
 DAS3027 Dark Gray

V-SEAL™ DAS302x are premium quality, high velocity sealers. They are available in white, gray and dark gray and are suitable for the advanced technology finishes used in today's refinish body shops. These fast drying acrylic urethane sealers have superior flow properties and excellent gloss holdout.

DAS302x can be used directly over unsanded OEM E-Coat, sanded original finishes and/or properly prepared and treated bare steel, aluminum, fiberglass and plastic.

To optimize topcoat hiding, a choice of 7 gray shades can be achieved by mixing the white, gray and dark gray sealers. For maximum hiding choice, the gray shades will be linked to all Deltron® DBC formulas. These gray ranges will be referenced on formulas from G1 (white) through G7 (dark gray).



Features

- Fast Dry
- Strong color hold out

Advantages

- Quick to topcoat
- Less solvent penetration

Benefits

- Decreased booth time
- Maximum system gloss retention

Compatible Surfaces

V-SEAL™ DAS302x may be applied over:

- Properly cleaned and sanded fiberglass
- Properly prepared and treated bare steel and aluminum
- Properly cleaned E-Coat
 - DELTRON® plastic adhesion promoter or etch primer*
- Cured and sanded OEM finishes
 - DELTRON® 2K primer surfacer

* When applying DAS302x over any 1K product a minimum film build of 1.5 mils must be applied in 2 coats.

Required Products

	Hardener
Undercoat Hardener	DCX3030
	Thinner
Cool Temperature (60 – 70°F)	DT860
Medium Temperature (65 – 80°F)	DT870
Warm Temperature (75 – 90°F)	DT885
Hot Temperature (85°F and above)	DT895
Hot Temperature (95°F and above)	DT898



DAS3021 / DAS3025 / DAS3027

Directions for Use

Preparation:



• Wash the area to be painted with soap and water, then clean with an appropriate PPG Wax & Grease Remover.



• Sand the bare metal areas completely with 180 – 240 grit abrasive. Sand old finishes with 320 – 400 grit dry by hand or machine or 400 – 500 grit wet.



• Re-clean with an appropriate PPG Wax & Grease Remover followed by a PPG tack cloth to eliminate dirt prior to painting.

Mixing Ratio:



<i>Deltron</i> [®] DAS302x	:	DT Reducer	:	DCX3030 Hardener
3	:	1	:	1



Pot life is 1 hour @ 70°F / 21°C

Warning: Additional film build over etch primer and plastic adhesion promoter is strongly recommended. A minimum of 1.5 mils of the V-SEAL[®] Acrylic Urethane Sealer must be applied in two coats. With the higher film build of V-SEAL[®] Acrylic Urethane Sealer, additional flash time for the sealer may be necessary.

Tinting:

Not recommended

Additives:



DX814 Universal Flexibilizer may be added with 10% DX814 to the ready-to-spray *Deltron*[®] DAS302x.

Application:



Apply: 1 – 2 wet coats

Air Pressure:

HVLP at air cap:	10 PSI
Conventional at spray gun:	40 – 45 PSI

Spray gun Set-up:



Fluid Tip:	1.4 – 1.6 mm or equivalent
Spray Viscosity:	20 – 25 seconds #2 Zahn @ 70°F / 21°C
Film build per wet coat:	2.5 mils
Dried film build per coat:	1.0 mils

Directions for Use

Drying times:



Between coats 5 – 10 minutes

Dust-free
70°F / 21°C 10 minutes

Dry to handle
70°F / 21°C 1 hour

Tape Time
70°F / 21°C 1½ hours



IR (Infrared)
IR medium wave 10 minutes
IR short wave 5 minutes



Before Topcoating
15 minutes @ 70°F / 21°C for 1 coat
30 minutes @ 70°F / 21°C for 2 coats
After 72 hours, sealer must be sanded.
If sanded film is below 1 mil, sealer must be reapplied.

Compatible Topcoats:

CONCEPT® LV (CLV) Acrylic Urethane Color
CONCEPT® (DCC) Acrylic Urethane
DELSTAR® (DAR/DXR 80) Acrylic Polyurethane Enamel
DELTRON® 2000 (DBC) Basecoat
DELTRON® (DBU) Universal Basecoat

* A minimum of 1 hour dry must be allowed prior to topcoating with DBU.

Equipment Cleaning:

Spray guns, gun cups, storage pots, etc. should be cleaned thoroughly after each use with any PPG General Purpose Solvent, Lacquer Thinner or DT Reducer.

Technical Data:

	DAS3021	DAS3025	DAS3027
VOC (PKG) per US Gal	4.85lbs	3.86 lbs	4.74lbs
VOC (RTS) per US Gal	4.30lbs	4.58 lbs	4.30lbs
Total Solids by Weight (RTS)	50.17%	54.33%	50.13%
Total Solids by Volume (RTS)	34.27%	36.21%	34.94%
Sq. Ft Coverage / US Gal (RTS)	550	581	560
Recommended wet film build per coat	2.5mils	2.5 mils	2.5mils
Recommended dry film build per coat	1.0mils	1.0 mils	1.0mils

*A*Chromatic Gray Mixing Chart V-SEAL™ Acrylic Urethane Sealers

Use this chart as a guide to mix the G1– G7 ratios to achieve better hiding when mixing the V-SEAL™ Acrylic Urethane Sealers.

Mix Ratio By Volume			Mix Ratio By Cumulative Weight Parts			
	Mix Ratio		¼ Pint	½ Pint	Pint	Quart
G1	DAS3021	3	117	235	470	941
	DCX3030	1	143	287	574	1149
	DT870	1	166	332	665	1331
G2	DAS3021		112	224	448	897
	DAS3025	N/A	117	235	470	940
	DCX3030		143	286	572	1144
	DT870		165	330	661	1322
G3	DAS3021		2	78	156	313
	DAS3025	1	117	234	468	937
	DCX3030	1	143	286	572	1145
	DT870	1	165	331	663	1327
G4	DAS3021	1	39	78	156	313
	DAS3025	2	116	233	466	932
	DCX3030	1	142	285	570	1140
	DT870	1	165	330	661	1322
G5	DAS3025	3	116	232	464	929
	DCX3030	1	142	284	568	1137
	DT870	1	164	329	659	1319
G6	DAS3025	2	77	154	309	619
	DAS3027	1	115	231	463	927
	DCX3030	1	141	283	567	1135
	DT870	1	164	329	658	1317
G7	DAS3027	3	115	230	461	923
	DCX3030	1	141	282	565	1131
	DT870	1	164	328	656	1313

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Important:

The contents of this package must be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

See Material Safety Data Sheet and Labels for additional safety information and handling instructions.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515; IN CANADA (514) 645-1320

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to PPG Industries. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does PPG Industries warrant freedom from patent infringement in the use of any formula or process set forth herein.

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PPG Industries
19699 Progress Drive
Strongsville, OH 44149

PPG Canada Inc.
2301 Royal Windsor Drive
Mississauga, Ontario L5J 1K5