

SUPPLIES AND ACCESSORIES



Prism Kit

This inspection prism kit is ideal and invaluable for inspecting windows on the aircraft where the holes and edges are hidden by the aircraft skin or fairings. By applying the couplant and positioning the prism on the window next to the edge of the skin, it allows you to see the entire edge of the acrylic including the mounting holes from top to bottom. You are able to see cracks and breaks in the acrylic or glass. The prism has included angles of 45°, 70°, 110°, and 135°.

PART NO.

Window Inspection Prism kit
Prism Repair

SP-PRIKT
SP-PRIREP



Special Acrylic Drill Bits

Don't be fooled by the over the counter so-called "plastic drill bits" purchased at your local hardware store. Our drill bits are specially sharpened to scrape a clean hole through your acrylic window. These drill bits will not chip or crack the acrylic like standard drill bits. They are available in individual sizes from 1/8" to 1/2" and 1/2" 100 degree countersink. Sets with countersink and index box take the guesswork out of which bits to purchase. This type of bit is required when drilling windshields and windows is specified. Remember that acrylic expands and contracts, so drill your holes oversize.

1/8"	SP-D18
9/64"	SP-D964
5/32"	SP-D532
3/16"	SP-D316
7/32"	SP-D732
1/4"	SP-D14
9/32"	SP-D932
5/16"	SP-D516
3/8"	SP-D38
7/16"	SP-D716
1/2"	SP-D12
100° countersink	SP-CS100
Drill Bit Set in index with countersink	SP-DBST

Foam Tape

This is an adhesive backed, closed cell foam tape which is available in various sizes by the roll. This tape can be wrapped around the edges of the windows to both cushion and seal. **DO NOT STRETCH DURING APPLICATION, IT WILL PULL BACK AND LEAVE GAPS.** Piper used this extensively in their window installations.

Foam tape 1/4" x 1/32" x 100'	SP-FT132
Foam tape 1/4" x 1/16" x 100'	SP-FT116
Foam tape 1/4" x 1/8" x 75'	SP-FT5112
Foam tape 1/4" x 1/8" x 10' used on sealing flange of vent windows	SP-FT1410
Foam tape 1/2" x 1/4" x 50'	SP-FT121450
Foam tape 1 1/4" x 1/16" x 100'	SP-FT114100
Foam tape 1 1/4" x 1/16" x 25'	SP-FT114125
Foam tape 1 1/4" x 1/16" per lineal foot	SP-FT11412

SUPPLIES AND ACCESSORIES

Felt Tape

Adhesive backed in various widths and thicknesses. Used on numerous Cessna front and rear windshields. Available in rolls and by the foot.

	PART NO.
Felt - adhesive backed 1/16" x 1 ¼" (per lineal ft.)	SP-F114
Felt - adhesive backed 1/16" x 1 1/2" (per lineal ft.)	SP-F112
Felt - adhesive backed 1/16" x 2" (per lineal ft.)	SP-F2

Piper Black Tar Tape

Available in rolls 1/16" x 1" by 50 ft. Used by Piper on many of the older windshield installations.

Piper black tar sealing tape 1/16" x 1" x 50'	SP-TT50
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Strip Sealants

The following are strip type sealants. These are especially useful in filling large gaps. These sealants are used in many Cessna installations.

Green, 1/8" x 1/2" x 25' roll - Cessna sealant 579.6 (Presstite)	SP-5796
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Polyurethane Sealant

Bostik 1100FS Fast Set Polyurethane Sealant is now being recommended by Piper Aircraft for many of their window installations. This is a non-hardening, paintable, fast curing, sealant. (Work life - 70 minutes, Tack free - 90 minutes, Full cure 1.5 to 3 days) **Do not use where holes have been drilled through the sealing/mounting edge of the windshield.**

Bostik 1100FS urethane sealant 10.3 oz. tube - black	SP-1100BL
Bostik 1100FS urethane sealant 10.3 oz. tube - white	SP-1100WT

RTV-732 Silicone Sealant, 1200 and 1205 Prime Coats

Dow Corning Silicone Sealant in clear and black. 10.3 oz. tubes. The Dow Corning Prime Coat #1200 is used on most metals and the Dow Corning Prime Coat #1205 is used on most plastics and composites. Be sure to mask both the window and the aircraft skin prior to applying the sealant. This will make for very easy cleanup and a professional installation. This applies to any sealant you may use.

RTV-732 Dow Corning silicone sealant 10.3 oz. tube - clear	SP-R732C
RTV-732 Dow Corning silicone sealant 10.3 oz. tube - black	SP-R732B

Two-Part Polysulfide Sealants

This is a two-part, gray sealant, available in both an 8 oz. can with separate accelerant and a two-part cartridge for use with a hand application gun. We stock the "B2" which allows a 2 hour work time and a 48 hour cure time.

This sealant meets AMS-S-8802B, which supersedes Military Specifications - MIL-S-8802

Interchangeable sealants:

Advanced Chemistry & Technology - MC-236B
 Courtaulds Aerospace - Pro-Seal 890B, PR-1440B, PR-1487
 D Aircraft Products - BR4005B
 Flamemaster Corp - CS3204B
 Fiber Resin Corp - PS-1102B
 J & R Industries - WS-8020B

½ pint can - Two-Part sealant kit (AC-236 B2)	SP-32048
5 oz. Cartridge sealant kit - with nozzle (AC-236 B2)	SP-6611
Hand application gun - for use with cartridges	SP-K162
Replacement plastic collar for hand application gun	SP-BEZ

SUPPLIES AND ACCESSORIES

Two-Part Polysulfide Sealants, Weather Resistant – Other

Exterior moldline and canopy/windshield sealant. Two-part, black, 2 hour work time, 9 hour cure time.

This sealant meets MAT-645F, Class B-2

Interchangeable sealants:

Courtaulds Aerospace - PR-1425
Courtaulds Aerospace - PR-1489

	PART NO.
3.5 oz. Cartridge sealant kit - with nozzle	SP-AC-251B2
6 ml Adhesion promoter for use with SP-AC-251B2	SP-137
Hand application gun - for use with cartridges	SP-K162

Bonding Kits For Grumman/Gulfstream/American General/Tiger Aircraft AA-1 and AA-5 Series Windshields and Canopies

The sealant and instruction sheet are included for bonding the windshield to the windshield bow and the canopy to its frame. There are two different bonding systems used for these applications. The original bonding system consisted of Dow Corning RTV 732 as the bonding agent with Dow Corning 1200 Prime Coat for the aluminum and 1205 Prime Coat for the acrylic with a 72 hour cure time. Tiger Aircraft used a bonding system that consisted of a two-part polysulfide AC-251 B2 with AC-137 promoter with a two hour work time and 12 hour cure with full cure in 7 days.

Windshield Bonding kit with one AC-251 B2 and AC-137	SP-BKG1
AA-1 Canopy Bonding kit with two AC-251 B2 and one AC-137	SP-BKG2

Acrylic Cement

Used when bonding acrylic to acrylic, as in compass mount blocks, reinforcing strips, patches, etc. The liquid acrylic cement is water-like in consistency and is most easily applied with a syringe. The thickened cement is heavy bodied and is easily applied from the tube. The liquid cement requires tight contact between both bonding surfaces, while the thickened cement will fill slight gaps. Both will have excellent bonding strength when fully cured.

Weld-On 3 - Liquid acrylic cement - 1 pint	SP-C1PT
Weld-On 3 - Liquid acrylic cement - 4 oz.	SP-C4OZ
Weld-On 16 - Syringe for acrylic cement	SP-SYGE
Weld-On 16 - Thickened acrylic cement - 5 oz. tube	SP-292001

Installation Kits for Beechcraft Conversions 978, 979, 980, 981, 991, 997

Each kit contains the stainless screws, nuts, and washers as well as the adhesive/sealant to mount the designated window

Installation kit - use with 981	SP-IK981
Installation kit - use with 978, 979, 980, 991, 997	SP-IK978
Installation kit - use with 977	SP-IK977

The following parts are required for new installations of the 977 series windshield

Front windshield aluminum retainer	SP-D0002-001
Defroster duct outlet adapter - may need 1 or 2 - check your aircraft installation	SP-D0004-001
Defroster diffuser	SP-D0003-001
Glareshield	SP-D0005-001

SUPPLIES AND ACCESSORIES

Windshield Installation Kits for Piper PA-24, -28, -30, -32, -34, -39, and .44

PA-24, -30 models with 1 or 2 piece windshields	SP-2430-WSCAN
2 ea. SP-32048 - polysulfide sealant – ½ pint can kit	
1 ea. SP-FT114125 - Foam sealing tape 1 1/4" x 1/16" x 25'	
PA-24, -30 models with 1 or 2 piece windshields	SP-2430-WSCRT
2 ea. SP-6611 - polysulfide sealant – 5 oz. cartridge kits	
1 ea. SP-FT114125 - Foam sealing tape 1 1/4" x 1/16" x 25'	
PA-24, -30 models with 1 or 2 piece windshields	SP-2430-WSCRTG
2 ea. SP-6611 - polysulfide sealant – 5 oz. cartridge kits	
1 ea. SP-FT114125 - Foam sealing tape 1 1/4" x 1/16" x 25'	
1 ea. SP-K162 – Cartridge hand application gun	
PA-28, -32, -34, -44 models with 2 piece windshields	SP-PA-WS2PC
2 ea. SP-1100BL - polyurethane sealant - black	
1 ea. SP-FT114125 - Foam sealing tape 1 1/4" x 1/16" x 25'	
PA-28 1 piece conversion installation kit	SP-K2028KIT-28
includes the attaching parts, hardware, sealant and STC	
PA-32 1 piece conversion installation kit	SP-95032-001KIT
includes the attaching parts, hardware, sealant and STC	
PA-34 1 piece conversion installation kit	SP-97016-001KIT
includes the attaching parts, hardware, sealant and STC	
PA-44 1 piece conversion installation kit	SP-K2028KIT-44
includes the attaching parts, hardware, sealant and STC	

Side Window Installation Kits for Piper PA-24, -28, -30, -32, -34, -39, and .44

PA-24, -28, -30 models with four side windows	SP-PA-4WIN
2 ea. SP-1100BL - polyurethane sealant - black	
2 ea. SP-FT114125 - Foam sealing tape 1 1/4" x 1/16" x 25'	
PA-24, -28, -30, -32, -34, -44 models with six side windows	SP-PA-6WIN
3 ea. SP-1100BL - polyurethane sealant - black	
2 ea. SP-FT114125 - Foam sealing tape 1 1/4" x 1/16" x 25'	
PA-32, -34 models with eight side windows	SP-PA-8WIN
4 ea. SP-1100BL - polyurethane sealant - black	
3 ea. SP-FT114125 - Foam sealing tape 1 1/4" x 1/16" x 25'	

Vent Window Hinge and Latch Assemblies

For replacing vent window hardware on:

Beechcraft models 33, 35, 36, 55, 56, 58, 95.	PART NO.
Hinge & latch assembly	SP-BHL
2 hinge assemblies with mounting screws	SP-BHO
Latch and catch with mounting screws	SP-BLO
Bellanca Viking & Super Viking	
Hinge & latch assembly	SP-BLHL
Piper PA-28, -32, -34, -44	
Hinge & latch assembly	SP-PHL
Hinge assembly only	SP-PHIG
Latch assembly only	SP-PLAT

SUPPLIES AND ACCESSORIES

Compass Mounting Kits

These compass mounting kits are designed primarily for use on Cessna windshields which are using our STC compass mounting block bonded to the windshield. The windshield part number is designated with a suffix (/CMB). Kits are available with or without a new Airpath compass.

Compass and mounting kit for Cessna STC conversions. SP-CMKT
Kit includes Airpath C2200L4 compass, compass housing, deviation card, attached mount, and hardware.

Compass mounting kit for Cessna STC conversions SP-CHKT
Kit is applicable only to the Airpath C2200L4 and includes compass housing, deviation card, attached mount, and hardware (Airpath C2200L4 Compass not included).

Glareshield Compass Mount

This is a polished, clear acrylic, compass mounting bracket for kit aircraft, which is bent at a 90 degree angle and allows you to mount your compass to the top of your glareshield.

Compass mount for glareshield installations - acrylic – Non-PMA LP-081

Aircraft Quality, Cell Cast Sheet Acrylic

Sheet acrylic is available in the following colors, sizes, and thicknesses. These sheets meet ASTM D4802-02 or Federal specification L-P-391D and are of aircraft quality. Each sheet is available in clear, 2111 green tint, and 2515 solar gray tint. Additional tints are available in some thicknesses and sizes. Also available are some acrylic sheets meeting MIL-PRF-5425E, MIL-PRF-8184E, and MIL-PRF-25690B. Please contact us with your request.

LIST PRICE PER SQUARE FOOT

THICKNESS*	CLEAR	GREEN (2111)	Gray (2515)	UV-GT	UV-SG	CODE
.060"	12.20	15.75				C
.080"	12.20	15.75	15.75	23.70	23.70	C
.100"	12.20	15.75	15.75	23.70	23.70	C
.125"	13.00	16.30	16.30	22.90	22.90	C
.150"	13.80	16.80	16.80	23.20	23.20	C
.187"	15.40	17.10	17.10	24.70	24.70	C
.250"	17.60	19.90	19.90	30.20	30.20	C
.312"	23.45	31.40	31.40	39.90	39.90	C

NOTE – These are nominal thicknesses based on the industry's cell cast acrylic sheet tolerances. The tolerance range chart is shown on the inside back cover of the catalog. Pricing and sheets sizes of other tints are available upon request. Minimum order may be required.

Acrylic Sheet Sizes:

Standard size: 48" x 72" - .060", .080", .100"
48" x 96" - .125", .250"
72" x 96" - .125", .150", .187", .250"

Not all colors are available in each of these sizes. All sales are based on availability from current stock.

THERE IS A 20% CUTTING CHARGE ON ALL OTHER SIZES. MINIMUM CUTTING CHARGE OF \$10.00.
A CRATING CHARGE MAY APPLY.

SUPPLIES AND ACCESSORIES

ACRYLIC SHEET COLORS

COLOR	CODE	VISIBLE LIGHT TRANSMITTANCE
Green Tint	GT	77%
Green Tint – UV and Infrared Blocking	GT-UV	77%
Solar Gray	SG	76%
Solar Gray – UV and Infrared Blocking	SG-UV	76%
Medium Gray	MG	59%
Dark Gray	DG	13%
Bronze	BZ	49%
Dark Bronze	DB	10%
Blue	BL	78%
Medium Blue	MB	55%

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