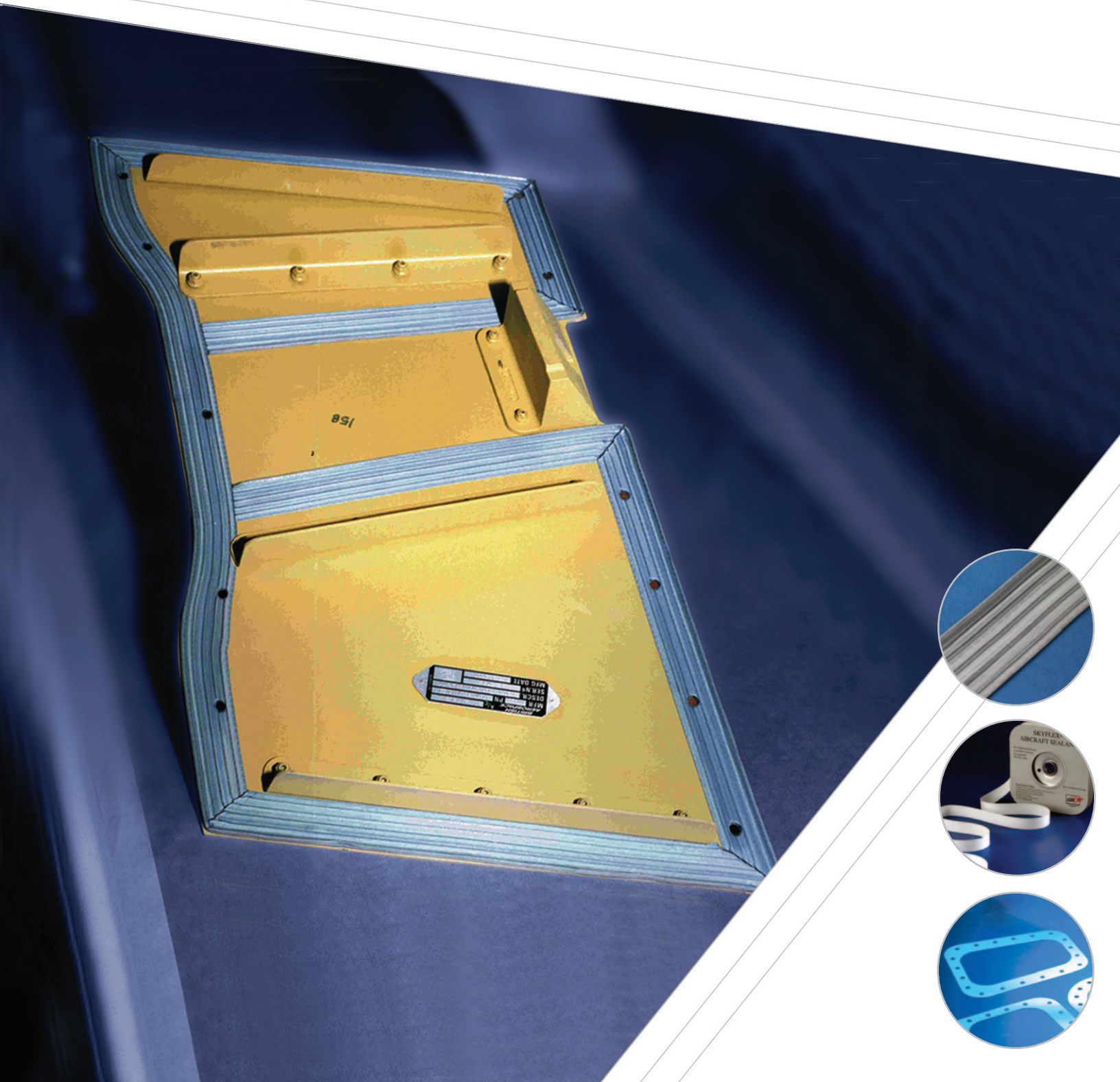
Skyflex®

AIRCRAFT SEALANT PRODUCT GUIDE



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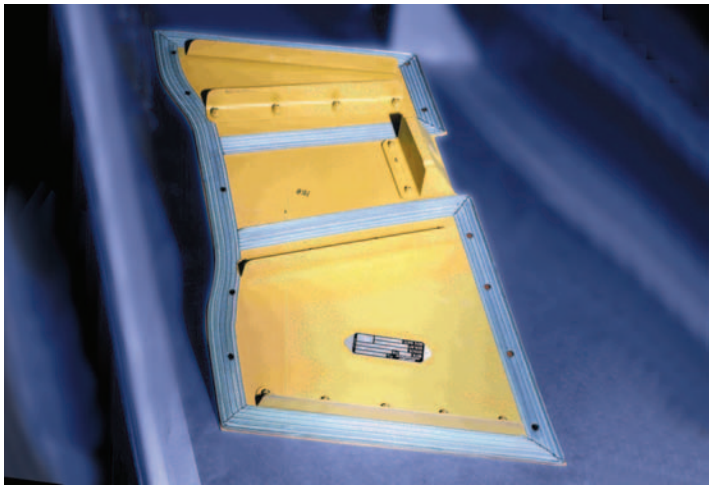
SUMMARY

GORE™ SKYFLEX® Aircraft Sealant offers the lightest weight, non-curing, non-hazardous form-in-place sealant technique. This product can be installed and maintained more efficiently than all other sealant methods. This revolutionary material provides excellent protection against corrosion, water ingress, and other environmental influences including fuels and oils.

GORE™ SKYFLEX® Sealant remains flexible and compliant over many panel installation cycles, retaining all of the designed benefits and features that are crucial to ensure the integrity of every application today.

GORE™ SKYFLEX® Sealant is available in many forms, including ribbed sealant tape, flat sealant tape, sheet, die cut gaskets, and environmental and fuel resistant forms. For more information or assistance in choosing the sealant right for your application contact Gore.



BENEFITS

- Non Hazardous/No hazardous waste disposal
- Resistant to corrosion
- Multiple panel removal/installation cycles possible
- Lightweight
- Protection against water ingress and other environmental influences
- No sealant cure time
- Easy to install
- Conforms to surface irregularities
- Temperature range: -240°C to +260°C

TIME ANALYSIS

How much time are you spending sealing your panels?

A typical panel installation using traditional sealants takes up to 120 minutes each removal cycle, plus an additional cure time of 6 to 48 hours. The typical time estimate is derived using the following:

- Scraping off and cleaning old sealant=45 minutes
- Masking panel off=15 minutes
- Mixing polysulfide sealant=15 minutes
- Cleanup=15 minutes

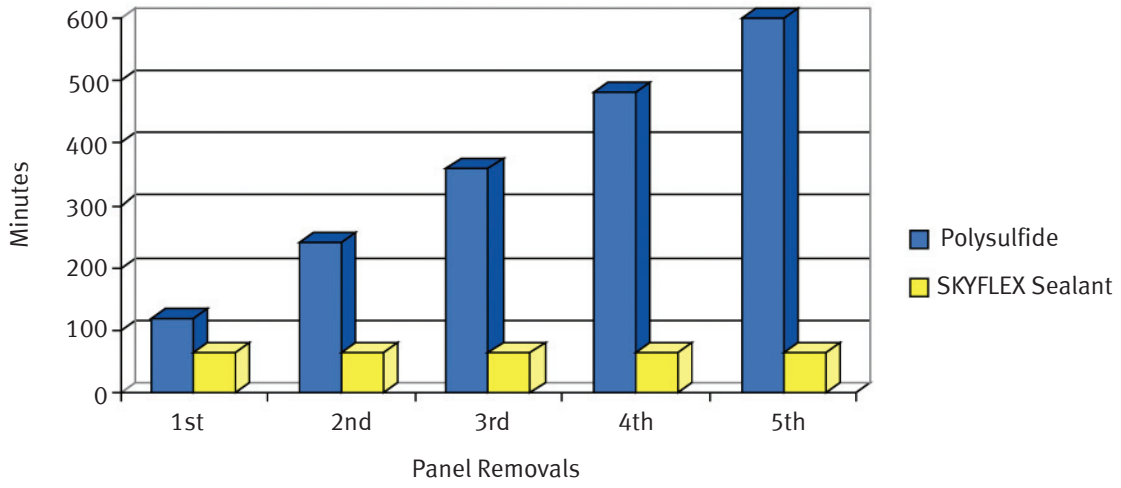
A typical initial (first) panel installation using GORE™ SKYFLEX® sealant takes up to 65 minutes for the first installation with no cure time. Subsequent panel removal cycles requires no additional time when using GORE™ SKYFLEX® sealant; no time is spent scraping sealant, reapplying sealant, or waiting for the sealant to cure. The typical time estimate is derived using the following:

- Scraping off and cleaning old sealant=45 minutes
- Installing GORE™ SKYFLEX® sealant=20 minutes

INSTALLATION TIME ANALYSIS

	TRADITIONAL SEALANT	GORE™ SKYFLEX® SEALANT
Scraping off and cleaning old sealant	45 min.	45 min.
Masking panel and mixing polysulfide sealant	30 min.	0 min.
Applying sealant	15 min.	20 min.
Cleanup	15 min.	0 min.
Cure time	6-48 hours	0 min.

LIFE CYLE TIME SAVINGS



The sealant application per panel chart shows the cumulative time required to replace sealant for multiple panel removals. By the fifth time the panel is removed and replaces using traditional sealants, the cumulative time required for this activity is 600 minutes while the cumulative time for GORE™ SKYFLEX® Sealant is 65 minutes.

MILITARY TECHNICAL ORDER APPROVALS

AIRCRAFT	TECHNICAL ORDER
Joint Services Tech. Manual	NAVAIR 01-1A-509 T.O. 1-1-691 TM 1-1500-344-23
A-10 Thunderbolt	1A-10A-2-51JG-1 1A-10A-2-51MS-1
B-1B Lancer	1B-1B-23
B-52 Stratofortress	1B-52H-3
C-5 Galaxy	1C-5A-23 1C-5A-3
C-17 Globemaster III	OEM Installation at factory 1C-17A-23
C-130 Hercules	1C-130A-23 1C-130B-2-2 1C-130H-2-2 1C-130(H)H-2-1 1C-130H-2-56JG-00-1
C-141 Starlifter	1C-141B-23
EA-6B Prowler	01-85ADC-3-3
ES-3A	01-S3AAA-3-4
E-2 Hawkeye	01-E2AAA-3-1.1
E-3 Sentry	1E-3A-2-28-1 NN1E3A-3-572
E-6 Tacamo	01-E6AAA-SRM-000 A1-E6AAB-SRM-200
Eurofighter	OEM Specification
F-4 Phantom	1F-4-3-1-6
F-5 Tiger	1F-5E-3
F-15 Eagle	1F-15A-23 1F-15A/C/E-3-5
F-16 Falcon	In process of approval by Lockheed Martin
H-53	A1-H53CE-110-000 A1-53AD-110-000 1H-53(M)J-2-1
KC-135 Stratotanker	1C-135(K)A-3-1 1C-135(K)A-3-4 PDM Work Specification
P-3 Orion	01-75PAA-2-2.1
S-3 Viking	01-S3AAA-3-4
T-45Goshawk	A1-T45AB-SRM-100
V-22 Osprey	OEM installation at factory

COMMERCIAL APPROVALS

AIRCRAFT	APPLICATIONS	SERVICE BULLETIN/MANUAL/SPECIFICATION
Airbus A320	Wing leading edge access panels Antennas	SB-A320-57-1052 SIL-A320-34-069
Airbus A300	Antennas Main deck cargo loading system- floor panel sealing	SIL-A300-34-069 DASA specification 2250 MIC 0103 01
Airbus A330	Antennas Horizontal stabilizer (spar) Horizontal stabilizer (panels)- 200/300 series Horizontal stabilizer (panels)- 500/600 series Floor structure corrosion barrier Floor structure corrosion barrier Floor structure corrosion barrier	SIL-A330-34-069 ABS5311, ABS5311-01/ -02 & -03 F559-80032-200 & F551-82609-200 G551-80842-202 & G551-80843-202 ABS5631A25/ EADS number TBA ABS5631A50/ EADS number 887 282 20 ABS5631A80/ EADS number 887 289 80
Airbus A340	Antennas Horizontal stabilizer (spars) Horizontal stabilizer (panels)- 200/300 series Horizontal stabilizer (panels)- 500/600 series Floor structure corrosion barrier Floor structure corrosion barrier Floor structure corrosion barrier	SIL-A340-34-069 ABS5311-01/ -02 & -03 F559-80032-200 & F551-82609-200 G551-80842-202 & G551-80843-202 ABS5631A25/ EADS number TBA ABS5631A50/ EADS number 887 282 20 ABS5631A80/ EADS number 887 289 80
Airbus A380	Horizontal stabilizer fuel tank	
Boeing 727	Sill plates entry way doors Cargo floor	FEDEX EO 7-5321-7-3326 FEDEX SR27-51-001
Boeing 737	Passenger floors Cargo floor Cabin floor Cargo tie downs Engine struts Landing lights ECS access Electrical panel access Vertical stabilizer Horizontal stabilizer Gap cover panel Reveal strip	737-SL-53-034-E Production DWG 453A1600 Production DWG 452A1600 Production DWG 453A2600 Production DWG 311A-2539 Production DWG 116A1510 Production DWG 213A2330-1 Production DWG 214A0603
Boeing 747	Passenger floor panels	747-SL-53-090-E
Boeing 757	Passenger floor panels Cargo floor panels Wing leading edge Tie downs	757-SL-53-018-E SL-757-53-024 RC AWA ER19-5760-01054-BR1 & UA 57-41-01 Production DWG 452A16
Boeing 767	Cargo floors Engine nose cowls	767-SL-53-031-E

COMMERCIAL APPROVALS

AIRCRAFT	APPLICATIONS	SERVICE BULLETIN/MANUAL/SPECIFICATION
Boeing 777	Passenger floorboards Cargo floorboards Tail strike indicator	
Bombardier Dash 8	Radome Center wing access panel	SB 84-57-07
Bombardier Challenger	Floors	
Bombardier CRJ	Exterior panels Floorboards	
Dornier DO228	Floorboards	
Dornier DO328	Floorboards	DON 521 Specification DON 878 Specification
Embraer ERJ 135 and 145	Windshields	S.B. 145-56-0006
Lockheed L1011	Floorboards	
Piaggio P280	Windshield	

COMMONLY USED PART NUMBERS

New Part Number	Old Part Number	Description	Example of Use	National Stock Number	NATO Stock Number
GSC-21-95035-010	GO-KS-0038, GUA1038-1	36mm (1.4”) wide by 0.3mm (0.01”) thick flat tape with adhesive, color=grey	Access Panels	8030-01-463-6459	N/A
GSC-21-95070-011	GUA1002-1, GO-AS-0002/1	7mm (0.28”) wide by 0.5mm (0.02”) thick flat tape with adhesive, color=grey	Compensation tape used as required to fill gaps and crevices to create a flat sealing surface.	8030-01-367-7356	N/A
GSC-21-95150-011	GO-AU-0063/1, GO-AU-0063, GSC-21-80950-00	35mm (1.38”) wide by 2mm (0.08”) thick flat tape with adhesive, color=grey	Access Panels	8030-01-475-2005	N/A
GSC-21-95158-011	GUA1003-1	6mm (0.24”) wide by 2mm (0.08”) thick flat tape with adhesive, color=grey	Compensation tape used as required to fill gaps and crevices to create a flat sealing surface.	8030-01-368-7207	9330-12-314-1145
GSC-21-95201-0111	GO-AS-0053, GUA1001-1	41mm (1.61”) wide by 0.5mm (0.02”) wide thick ribbed tape with adhesive, adhesive width= 25mm (1”), color=grey	Access panels. Seal faying surfaces greater than 33mm (1.3 “) wide.	8030-01-367-7357	9390-12-350-5300
GSC-21-95201-011	GUA1001-2, GO-AS-0053/1, GSC-21-81181-00	41mm (1.61”) wide by 0.5mm (0.02”) thick ribbed tape with adhesive, adhesive width= 38mm (1.5”), color=grey	Access panels for sealing surfaces 28mm (1.1”) to 41mm(1.61”) wide	8030-01-475-1368	N/A
GSC-21-95241-011	GO-AS-0017, GSC-21-81183-00, GUA1017-1	28mm (1.1”) wide by 0.5mm (0.02”) thick ribbed tape with adhesive, color=grey	Access panels and windows. Seal faying surfaces less than 33mm (1.3 “)wide.	8030-01-368-7208	8030-01-368-7208
GSC-21-95241-03	GSC-21-81048-00, GUA1017	28mm (1.1”) wide by 0.5mm (0.02”) thick ribbed tape without adhesive, color=grey	Access Panels	8030-01-476-1042	N/A
GSC-21-95261-011	GSC-21-80598-00, GSC-21-80730-00, GSC-21-80767-00	28mm (1.1”) wide by 1.5mm (0.06”) thick ribbed tape with adhesive, color=grey	Floorboards. Seal faying surfaces less than 33mm (1.3 “) wide. Thicker version of GSC-21-95241-011.	8030-01-454-7418	9390-12-350-5300

COMMONLY USED PART NUMBERS

New Part Number	Old Part Number	Description	Example of Use	National Stock Number	NATO Stock Number
GUA6003	GUA6003	9.1mm (0.36”) OD by 4.8mm (0.19”) ID washer without adhesive	Washer to seal 10/32 screws	5310-01-463-6457	N/A
GSC-21-95811-022	GUA1057-1	25.4mm (1.0”) wide by 1mm (0.04”) thick flat tape with adhesive, color=white	Floorboards-Boeing Aircraft	8030-01-377-3084	8030-01-377-3084
GSC-21-95812-022	GUA1058-1	12.7mm (0.5”) wide by 1mm (0.04”) thick flat tape with adhesive, color=white	Floorboards-Boeing Aircraft	8030-01-381-1584	8030-01-381-1584
GSC-21-95813-022	GUA1059-1	50mm (2.0”) wide by 1mm (0.04”) thick flat tape with adhesive, color = white	Floorboards-Boeing Aircraft	N/A	N/A
GSC-21-98006-021	GSC-21-80542-00, GUA1401-1	28mm (1.1”) wide ribbed composite tape without large bulb with adhesive, color=white	Dry area floorboards	8030-01-454-7419	N/A
GSC-21-98330-012	GUA4110-1	25.4mm(1.0”) wide by 0.25mm(0.01”) thick predensified flat tape with adhesive, color=grey	Predensified anti-chafe tape	8030-01-476-2406	N/A
GSC-21-99206-01	GUA5000	Kit for S-3 aircraft	Complete kit for the S-3	8030-01-389-1446	8030-01-389-1446
GSC-21-96426-04	N/A	F-15 wing fuel access cover gasket, panel number: 68A112174	F-15 Fuel	5330-01-512-5921	N/A
GSC-21-96427-04	N/A	F-15 wing fuel access cover gasket, panel number: 68A112176	F-15 Fuel	5330-01-512-3419	N/A
GSC-21-96526-04	N/A	F-16 370 gallon ground cap die-cut gasket	F-16 external fuel tank	5330-01-532-1885	N/A
GSC-21-96527-04	N/A	F-16 370 gallon aft filler cap die-cut gasket	F-16 external fuel tank	5330-01-532-2239	N/A
GSC-21-96528-04	N/A	F-16 370 gallon center access die-cut gasket	F-16 external fuel tank	5330-01-532-3612	N/A
GSC-21-96529-04	N/A	F-16 370 gallon filler die-cut gasket	F-16 external fuel tank	5330-01-532-2248	N/A

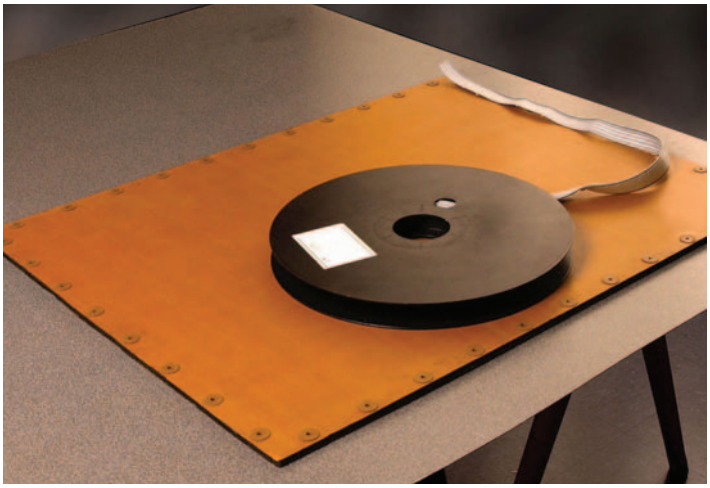
COMMONLY USED PART NUMBERS

New Part Number	Old Part Number	Description	Example of Use	National Stock Number	NATO Stock Number
GSC-21-95207-011	GSC-21-80713-00	25mm (1.0”) wide by 0.5mm (0.02”) thick ribbed tape with adhesive, no large bulb, color=grey	Access panels	8030-01-438-4088	N/A
GSC-21-95202-011	GSC-21-80714-00	30mm (1.2”) wide by 0.5mm (0.02”) thick ribbed tape with adhesive, color=grey	Access panels	8030-01-438-4067	N/A
GSC-21-95283-011x2	GSC-21-81397-0	35mm (1.4”) wide by 0.5mm (0.02”) thick ribbed tape with adhesive, color=grey	Access panels	8030-01-467-6024	N/A
GSC-21-95477-04	N/A	0.5mm (0.02”) thick die cut gasket for C-130 pitot tube	C-130 pitot tube	5330-12-361-1001	N/A
GSC-21-95561-04	N/A	1mm (0.04”) thick die cut gasket for C-130 pitot tube	C-130 pitot tube	5330-12-361-1000	N/A
GUA6001	GUA6001	Washer for sealing fasteners, ID 5mm (0.2”) OD 9mm (0.34”)	Washers	5310-01-516-5202	N/A
GSC-21-95400-0805	GO-AS-0059/080	Washer for sealing fasteners, ID 5mm (0.2”) OD 8mm (0.3”) OD 8mm (0.3”)	Washers	5310-01-463-6457	N/A

INSTALLATION TECHNIQUES FOR GORE™ SKYFLEX® TAPE

For complete installation instructions please refer to the Training Manual for GORE™ SKYFLEX® Aircraft Sealant.

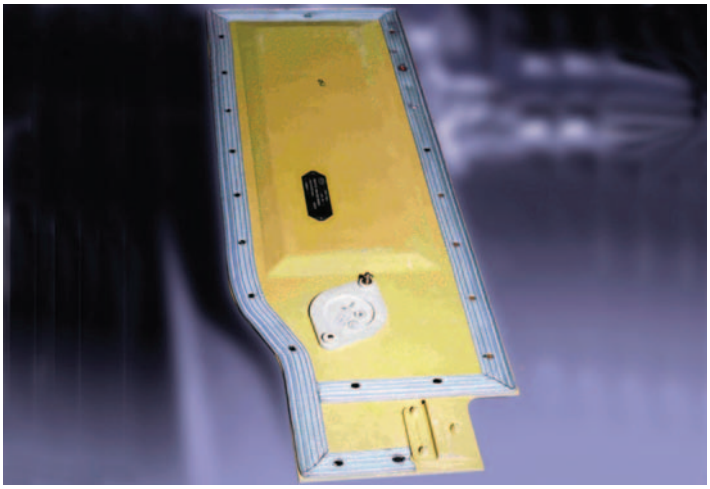
1. Start with a clean surface.



2. Apply tape to panel or structure.

3. Overlap corners.

4. Punch fastener holes in finished panel.

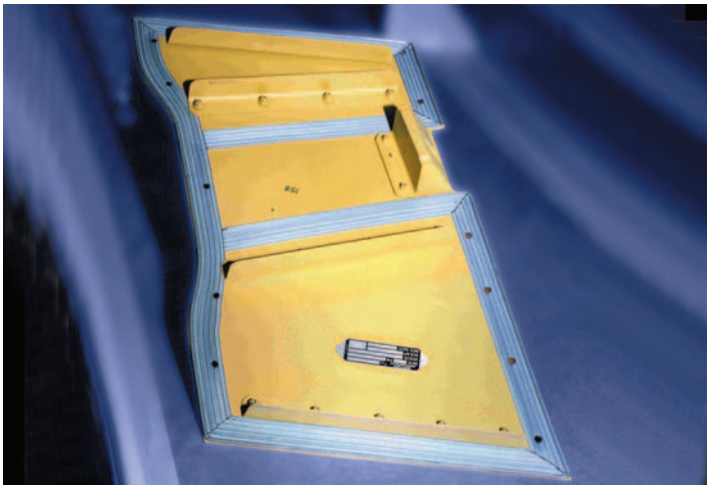


GORE™ SKYFLEX® SEALANT TAPE

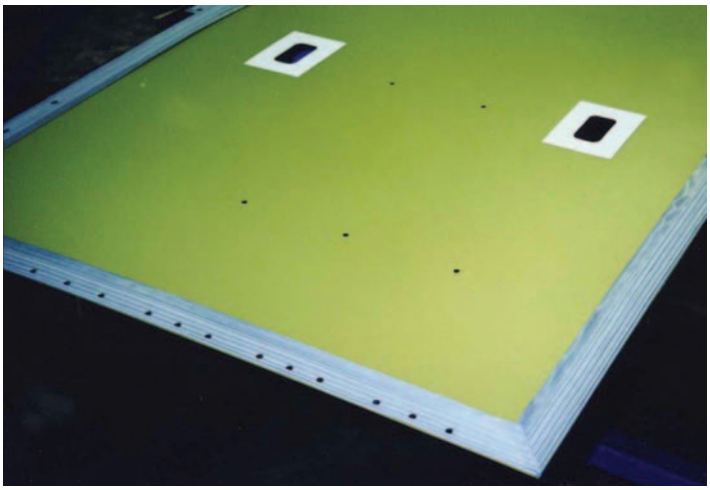
GORE™ SKYFLEX® Sealant offers customers the lightest weight, non-curing, non-hazardous, form-in-place sealant technique. This product can be maintained more efficiently than all other sealant methods.

Typical Applications
Typical applications for GORE™ SKYFLEX® Sealant Tape are access panels, floorboards, and windows.

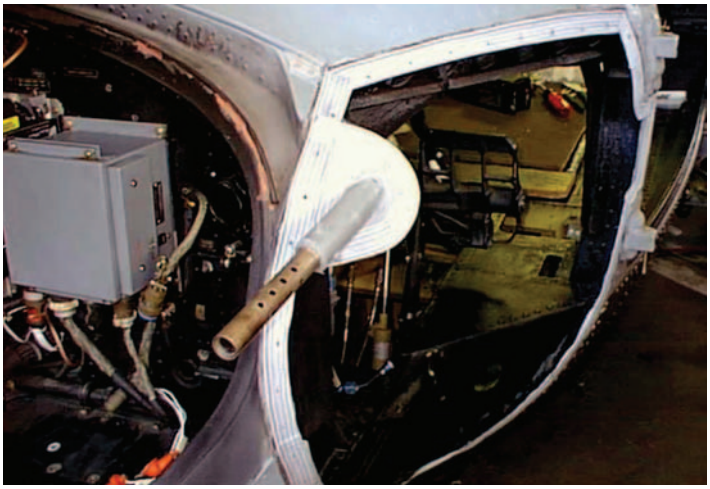
Access Panels; Typical part number: GSC-21-95241-011



Floorboards; Typical part number: GSC-21-95261-011



Windows; Typical part numbers: GSC-21-95241-011 and GUA 6003



GORE™ SKYFLEX® SEALANT TAPE DATA SHEET

GORE™SKYFLEX® Aircraft Sealant:	Offers the customer, the lightest weight, non-curing, non-hazardous form-in-place sealant technique. This product can be installed and maintained more efficiently than all other sealant methods.
Material:	Expanded Polytetrafluoroethylene (ePTFE).
Typical Characteristics:	Highly conformable to surface irregularities.
Chemical Resistance:	Inert to all common aircraft fluids.
Storage, without/with adhesive:	Unlimited / Two years.
Color:	White or Grey and may exhibit varied color within the product.
Typical Part Numbers:	GSC-21-950XX-010 (ABS5631) and GSC-21-95264-021

Material Properties	Europe		USA	
	Test Method	Value	Test Method	Value
Temperature range	-	-240°C/+260°C	-	-460°F/+500°F
Short term exposure to	-	+315°C	-	+600°F
Density	ASTM D 792	0.4-0.9g/ccm	ASTM D 792	0.4-0.9g/ccm
Low temperature flexibility	AMS 3255 Para 4.5.7	Passed	AMS 3255 Para 4.5.7	Passed
Tensile strength- uncompressed	ASTM F 152 method C	›6.9 Mpa	ASTM F 152 method C	›1000 psi
Tensile strength- compressed	ASTM F 152 method C	›20.7 Mpa	ASTM F 152 method C	›3000 psi
Shrinkage- compressed	ABR6-0127	Max 2%	ABR6-0127	Max 2%
Salt fog (1500 hours)	DIN 50021	No corrosion	ASTM B117	No corrosion
Flammability	ATS 1000.001	Passed	FAR 25.853 (a)	Passed
Smoke density/toxicity	ATS 1000.001	Passed	FAR 25.853 (d)	Passed

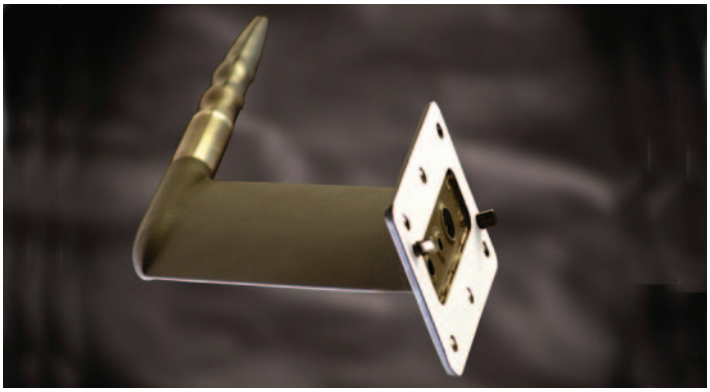
GORE™ SKYFLEX® Aircraft Sealants are qualified to SAE Aerospace Material Specification 3255 dated December 1995 as credited by the IMA Institute, Dresden, Germany.

GORE™ SKYFLEX® ENVIRONMENTAL GASKETS

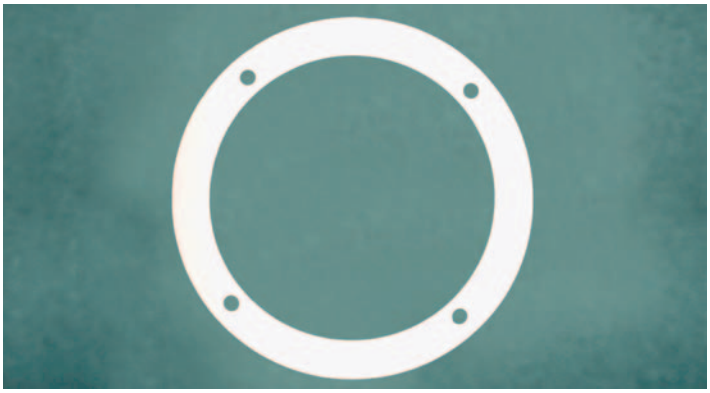
GORE™ SKYFLEX® Environmental Gaskets are the most user friendly and reusable environmental sealant for removable panels and components.

Typical Applications
Typical applications for GORE™ SKYFLEX® Environmental Gaskets are pitot tubes, sensors, cargo tie downs, and lights.

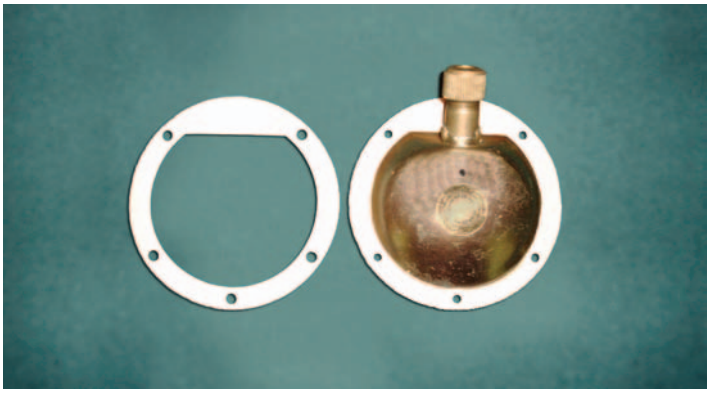
Pitot tubes; part number: GSC-21-95477-04



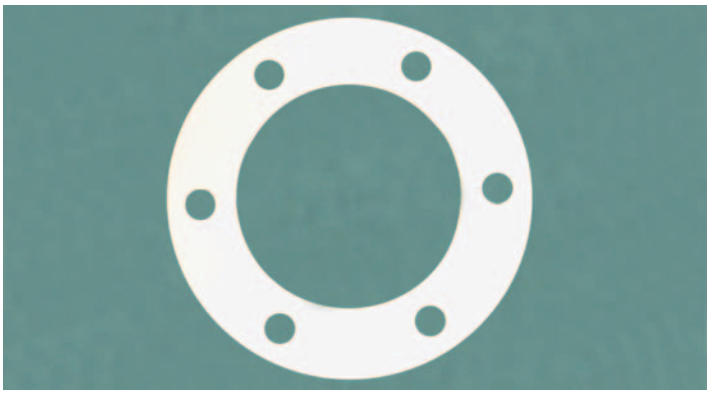
AAR-47 sensor gasket; part number: GSC-21-95560-04



Navigational light part number: GSC-21-95563-04



Total air temp sensor; part number: GSC-21-95558-04



Cargo tie downs; part number: GSC-21-95424-04

MMW antenna detector part number: GSC-21-95559-04

GORE™ SKYFLEX® ENVIRONMENTAL GASKETS DATA SHEET

GORE™ SKYFLEX® Environmental Gaskets:	The most user friendly(1) and reusable environmental sealant for removable panels and components
Material:	Expanded Polytetrafluoroethylene (ePTFE).
Typical Characteristics:	Highly conformable to surface irregularities.
Chemical Resistance:	Inert to all common aircraft fluids.
Storage, without/with adhesive:	Unlimited / Two years.
Color:	White
Thickness:	0.5, 1.0, 1.5, 2.0 and 3.0 mm (Nominal)
Dimensions:	Supplied in gasket form, engineered to customer requirements.

Material Properties	Europe		USA	
	Test Method	Value	Test Method	Value
Temperature range	-	-240°C/+260°C	-	-460°F/+500°F
Short term exposure to	-	+315°C	-	+600°F
Density	(2)	0.6g/ccm	(2)	0.4-0.9g/ccm
Tensile strength- uncompressed (3)	(2)	≥15 Mpa	(2)	≥1000 psi
Tensile strength- compressed (3)	(2)	≥15 Mpa	(2)	≥3000 psi
Elongation- compressed	(2)	≥250%	(2)	≥250%
Flammability	ATS 1000.001	Passed	FAR 25.853 (a)	Passed
Smoke density/toxicity	ATS 1000.001	Passed	FAR 25.853 (d)	Passed

(1)
a) No mixing
b) Easy to install, easy to remove
c) No cure time
d) Less skill dependent on installation
e) No special storage requirements
f) More tolerant to surface damage
g) Less dependant on surface cleanliness
h) Does not require milled grooves
i) Accepts wider surface roughness tolerances to seal

(2) Test methods per Airbus Non-Metallic Material Specification ABR6-0127 Issue 1 dated July 1993 unless otherwise stated.
(3) Values are unchanged after immersion in Skydrol A4 or Kerosene JP1.

GORE™ SKYFLEX® Aircraft Sealants are qualified to SAE Aerospace Material Specification 3255 dated December 1995 as credited by the IMA Institute, Dresden, Germany.

GORE™ SKYFLEX® FUEL SEALANT

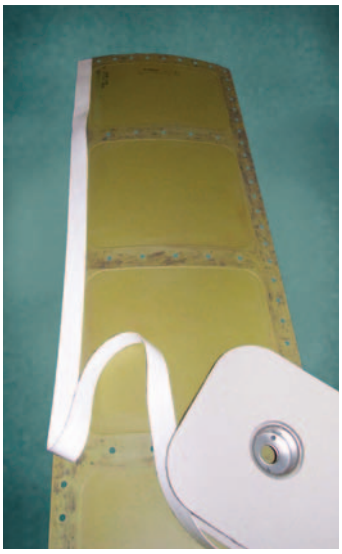
GORE™ SKYFLEX® Fuel Sealant is the most user friendly and reusable environmental sealant for removable panels and components.

Typical Applications

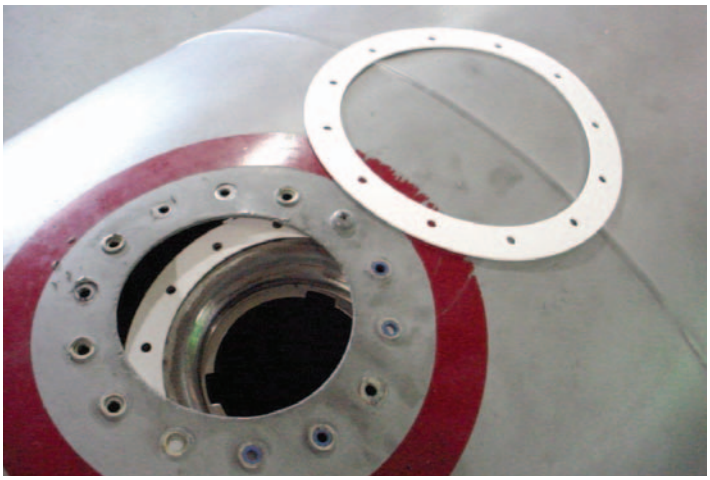
GORE™ SKYFLEX® Fuel Sealant is available in two formats: die cut gaskets and tape. Typical applications for GORE™ SKYFLEX® Fuel Sealant are fuel access panels and external fuel tank panels. The die cut fuel sealants shown below are used on the T-45 and the F-16, external panels and external tank panels. Gaskets can be precut to the customers required dimensions or gaskets can be cut in the field from sheets of sealant. Tape sealant is recommended and can be supplied for use on large panels.

Die Cut Gasket

OP Tape; Typical part number: GSC-21-96057-04 (1 in. wide by 0.032 in. thick, no adhesive)



Fuel resistant die cut gasket for the 370 Gallon Aft Filler Cap, part number GSC-21-96527-04



GORE™ SKYFLEX® LOW TEMPERATURE FUEL SEALANT DATA SHEET

GORE™ SKYFLEX® Fuel Sealant:	The most user friendly (1) and reusable fuel sealant for removable panels and structures.
Material:	Fuel repellent expanded Polytetrafluoroethylene (ePTFE).
Typical Characteristics:	Highly conformable to surface irregularities.
Storage, without/with adhesive:	Greater than 10 years/Two years.
Color:	White
Description:	Die cut gaskets up to 58 in (147cm) wide.

Material Properties	Europe		USA	
	Test Method	Value	Test Method	Value
Temperature range	-	-65°C/+90°C	-	-85°F/+194°F
Short term exposure to	-	+120°C	-	+248°F
Density	ASTM D 792	0.8-1.4g/ccm	ASTM D 792	0.8-1.4g/ccm
Low temperature flexibility	AMS 3255 Para 4.5.7	Passed	AMS 3255 Para 4.5.7	Passed
Tensile strength- uncompressed	ASTM F 152 method C	›6.0 Mpa	ASTM F 152 method C	›870 psi
Tensile strength- compressed	ASTM F 152 method C	›13 Mpa	ASTM F 152 method C	›1885 psi
Shrinkage- compressed	ABR6-0127	Max 2%	ABR6-0127	Max 2%
Load to seal	PM 0110/A (2)	3.4 N-m	PM 0110/A (2)	30 in-lb.
Reusability	PM 0110/B (3)	Passed	PM 0110/B (3)	Passed
Flammability	ATS 1000.001	Passed	FAR 25.853 (a)	Passed
Smoke density/toxicity	ATS 1000.001	Passed	FAR 25.853 (d)	Passed

(1)

a) No mixing
b) Easy to install, easy to remove
c) No cure time
d) Less skill dependent on installation
e) No special storage requirements
f) More tolerant to surface damage
g) Less dependant on surface cleanliness
h) Does not require milled grooves
i) Accepts wider surface roughness tolerances to seal

(2) W. L. Gore & Associates test method. Load to seal 0.5 bar (7.3 psi) positive air pressure in an aluminium alloy/perspex test box secured with 6mm (0.240”) diameter fasteners at 43mm (1.70”) pitch.

(3) W. L. Gore & Associates test method. Ten repeat installations without leakage.

GORE™ SKYFLEX® HIGH TEMPERATURE FUEL SEALANT DATA SHEET

GORE™ SKYFLEX® Fuel Sealant:	The only easy to install interfay sealant for primary structural (1) and non-primary structural (2) applications that facilitates flexibility (3) of installation in fuel applications.
Material:	Fuel repellent expanded Polytetrafluoroethylene (ePTFE).
Typical Characteristics:	Highly conformable to surface irregularities.
Storage, without/with adhesive:	Greater than 10 years/Two years.
Color:	White
Description:	Die cut gaskets up to 18 in (50.8 cm) wide or tape 0.5 in to 5 in. (1.27 cm to 12.7 cm) wide

Material Properties	Europe		USA	
	Test Method	Value	Test Method	Value
Temperature range	-	-65°C/+180°C	-	-85°F/+356°F
Short term exposure to	-	+200°C	-	+392°F
Density	ASTM D 792	1.0g/ccm	ASTM D 792	1.0g/ccm
Low temperature flexibility	AMS 3255 Para 4.5.7	Passed	AMS 3255 Para 4.5.7	Passed
Tensile strength- uncompressed	ASTM F 152 method C	›13 Mpa	ASTM F 152 method C	›1880 psi
Tensile strength- compressed	ASTM F 152 method C	›13 Mpa	ASTM F 152 method C	›1880 psi
Shrinkage- compressed	ABR6-0127	Max 2%	ABR6-0127	Max 2%
Load to seal	PM 0110/A (a)	3.4 N-m	PM 0110/A (a)	30 in-lb.
Reusability	PM 0110/B (b)	Passed	PM 0110/B (b)	Passed
Flammability	ATS 1000.001	TBD (c)	FAR 25.853 (a)	TBD (c)
Smoke density/toxicity	ATS 1000.001	TBD (c)	FAR 25.853 (d)	TBD (c)

(1) For use in aircraft primary composite structures qualified to Type Certificate holder (OEM) requirements.
(2) For use in secondary and tertiary composite and metallic structures.
(3) Can be applied on or off-line using traditional manual or advanced automated manufacturing methods.
(a) W. L. Gore & Associates test method. Load to seal 0.5 bar (7.3 psi) positive air pressure in an aluminium alloy/perspex test box secured with 6mm (0.240”) diameter fasteners at 43mm (1.70”) pitch.
(b) W. L. Gore & Associates test method. Ten repeat installations without leakage.
(c) Test results with similar material suggest a test pass but not confirmed. Fuel applications in cabin not expected.

Skyflex®

AIRCRAFT SEALANT PRODUCT GUIDE

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