

Goodrich “On-Condition” Statement for Age-Sensitive Products

Goodrich Corporation Sensors and Integrated Systems (Formerly known as Deicing & Specialty Systems) manufactures a number of age-sensitive products that cannot be stored indefinitely. Cements, coatings, edge sealers, and fillers that have been on the shelf for a period of time raise questions when it’s time to use the product or make a purchasing decision. Factors such as storage conditions, opening and resealing the original container, and mixing cements can all affect shelf life of age-sensitive products. As a rule, any age-sensitive products should be used “on condition,” regardless of age. The decision to use or not use the product rests with the user who must inspect each product on a case by case basis. To help users determine the age of Goodrich products, we stamp each with the date it was shipped from the Goodrich production facility.

Depending on the product, signs of degradation such as solidification, crystallization, separation, or changes in color can be indications that the product is not usable. Additionally, another important criteria for the use/don’t use decision may be the policy and/or FAA guidelines affecting your operation. Users can also test the product before making a decision. For adhesives and accelerators, an adhesion test would be appropriate. For other types of products, apply a small sample of the product and observe if it spreads, dries, and appears as expected. Maximizing the shelf life of an age-sensitive product can be accomplished by strictly following instructions for product usage and storage. For example, once a product is opened but not all used, care should be taken not to contaminate the remaining product. The product should be tightly resealed and stored according to instructions. For products which require mixing (e.g., cement and accelerator), follow the specific guidelines for pot time, mixing only the amount needed for the job at hand.

Goodrich Age-Sensitive Products:

Part Number	Unit of Measure	Alternate Designation	Description	Purpose	Visual Description of Material	Evidence of Degradation
74-451-11	1/2 pint	A56B-R1	Conductive Edge Sealer	Seal neoprene pneumatic de-icer edges & minimize static pinhole damage.	Thin black liquid with sharp odor	A56-B-R1 - Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. Material should be brushable, flow to fill in brush marks and dry to a tack free coating.
74-451-11-1	1 quart					
1300L	1 quart	1300L	Adhesive	Bond pneumatic and propeller de-icers to aircraft	Viscous yellow liquid, with sweet odor	1300L - Check for gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. This material is viscous as received and may show some stringiness on pouring or brushing.
74-451-99	1 quart	Fuel Barrier Cement	Protective Cement	Protects against degradation of pneumatic de-icer bond over rivets on aircraft with fuel tanks under deicer	Light brown syrupy liquid with sweet pungent odor.	74-451-99 - Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps.
ICEX® II	1 quart Pump	ICEX® II	Ice Adhesion Inhibitor	Enhances performance of pneumatic and propeller deicers in icing conditions.	Clear liquid, low odor	ICEX® II - Check for gelling of material or material that comes out in lumps.
74-451-207	1/2 pint	PSA primer	FASTboot™ Primer	Activates PSA adhesive on bond side of FASTboot™ pneumatic deicers.	Clear/amber liquid with solvent odor	FASTboot™ primer - Look for signs of clouding and/or precipitation in bottom of container.
74-451-AA Kit 74-451-206	2 ounces	PSA Primer	FASTboot™ Primer	Activates PSA adhesive on back of neoprene, Estane®, and silver Estane® patches	Clear amber liquid with solvent odor	FASTboot™ - Check that pen tip is moist with primer. (<i>Shake well prior to using. Seal pen well when done using.</i>)
74-451-AC Kit 74-451-150	1 fl. oz.	A1343B	Accelerator	Erosion protection for neoprene or Estane® pneumatic de-icers (approved for certain aircraft models only)	Dark amber to light yellow liquid, free of crystals	A1343B - Look for crystallization of material into hard film on top of container and cloudiness or precipitation in container. Liquid material under thin skin on top is usable material if no cloudiness or precipitation.
75-451-194	1 pint	0165JC215	Cement		Black liquid with ketone odor	0165JC215 - Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. Material should be brushable, flow to fill in brush marks and dry to a tack free coating.
74-451-AE Kit 74-451-201	8.5 grams	A1343B	Accelerator	Repair 1/16” or smaller pinholes on neoprene or Estane® pneumatic de-icers.	Dark amber to light yellow liquid, free of crystals	A1343B - Look for crystallization of material into hard film on top of container and cloudiness or precipitation in container. Liquid material under thin skin on top is usable material if no cloudiness or precipitation.
74-451-209	24 ct., 4 gm pouches	0165TS42	Repair Material		Thick black paste/liquid with ketene odor	0165TS42 - Check for thick material that is spreadable.

Goodrich Age-Sensitive Products (continued):

Part Number	Unit of Measure	Alternate Designation	Description	Purpose	Visual Description of Material	Evidence of Degradation
74-451-AG Kit						
74-451-151	8 ounces	0165TS39	Silver Cement	Bond silver urethane stall bar to silver Estane® pneumatic de-icer	Silver colored liquid, ketone odor	0165TS39 - Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. Material should be brushable, flow to fill in brush marks and dry to a tack free coating.
74-451-152	1/2 ounce	KE7005	Accelerator		Thin dark amber to light yellow liquid, free of crystals, ketone odor	KE7005 - Look for crystallization of material into hard pieces, cloudiness or precipitation in container. Liquid material under hard surface film will be less concentrated and not usable.
74-451-K Kit						
74-451-117-1	1 quart	KE7804	Estane® Sealer	Seal Estane® pneumatic de-icer edges & minimize static pinhole damage	Black colored liquid, solvent odor	KE7804 - Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. Material should be brushable, flow to fill in brush marks and dry to a tack free coating.
74-451-120	4 ounces	KE7005	Accelerator		Thin dark amber to light yellow liquid, free of crystals, ketone odor	KE7005 - Look for crystallization of material into hard pieces, cloudiness or precipitation in container. Liquid material under hard surface film will be less concentrated and not usable.
74-451-L Kit						
74-451-120	4 ounces	KE7005	Accelerator		Thin dark amber to light yellow liquid, free of crystals, ketone odor	KE7005 - Look for crystallization of material into hard pieces, cloudiness or precipitation in container. Liquid material under hard surface film will be less concentrated and not usable.
74-451-122	1 quart	21045	Primer	Resurface neoprene or Estane® pneumatic de-icers and/or provide diester oil protection	Black liquid, ketone odor	021045- Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. Material should be brushable, flow to fill in brush marks and dry to a tack free coating.
74-451-123	1 quart	0165CP9	Coating		Black liquid, ketone odor	0165CP9 - Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. Material should be brushable, flow to fill in brush marks and dry to a tack free coating.
74-451-P Kit						
74-451-220	1 pint	LA 5102	Cement		Syrup like liquid clear to slight cloudy liquid, solvent odor	LA5102 - Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. Material should be brushable, flow to fill in brush marks and dry to a tack free coating.
74-451-185	1 pint	Thixon P-6-EF	Primer	Heavy duty tape edge sealer for neoprene or Estane® pneumatic de-icers	Thin gray liquid, solvent odor	Thixon P6-EF - Look for settled ingredients that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps.
74-451-221	1 ounce	CAT UR	Accelerator		Dark amber to light yellow liquid, free of crystals	Cat UR - Look for crystallization of material into hard film on top of container and cloudiness or precipitation in container. Liquid material under skin on top is usable material if no cloudiness or precipitation.
74-451-Q-1 Kit						
74-451-158	1 pint	0165TS38, Part A	Silver Gap Filler - Part A	Fair full thickness silver Estane® de-icer cut-outs & edges to air foil structure	Silver colored, viscous liquid, no odor	0165TS38 Part A - Look for crystallization of material into hard pieces. Liquid material under hard surface film will be less concentrated and not usable.
74-451-159	1/2 pint	0165TS38, Part B	Silver Gap Filler - Part B		Silver colored paste, amine odor	0165TS38 Part B - Check for smooth pourable liquid/paste without gel.
74-451-Q-2 Kit						
74-451-160	1 quart	0165TS38, Part A	Silver Gap Filler - Part A	Fair full thickness silver Estane® de-icer cut-outs & edges to air foil structure	Silver colored, viscous liquid, no odor	0165TS38 Part A - Look for crystallization of material into hard pieces. Liquid material under hard surface film will be less concentrated and not usable.
74-451-161	1 pint	0165TS38, Part B	Silver Gap Filler - Part B		Silver colored paste, amine odor	0165TS38 Part B - Check for smooth pourable liquid/paste without gel.
74-451-R-1 Kit						
74-451-169-2	1 pint	0165RR26	Silver Edge Sealer	Seal edges of silver Estane® pneumatic deicers	Thin silver liquid with peppermint odor	0165RR26 - Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. Material should be brushable, flow to fill in brush marks and dry to a tack free coating.
74-451-143	2 ct., 1/2 oz. containers	KE7005	Accelerator		Thin dark amber to light yellow liquid, free of crystals, ketone odor	KE7005 - Look for crystallization of material into hard pieces, cloudiness or precipitation in container. Liquid material under hard surface film will be less concentrated and not usable.
74-451-R-2 Kit						
74-451-169-1	1 quart	0165RR26	Silver Edge Sealer	Seal edges of silver Estane® pneumatic deicers	Thin silver liquid with peppermint odor	0165RR26 - Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. Material should be brushable, flow to fill in brush marks and dry to a tack free coating.
74-451-152	2 oz. containers	KE7005	Accelerator		Thin dark amber to light yellow liquid, free of crystals, ketone odor	KE7005 - Look for crystallization of material into hard pieces, cloudiness or precipitation in container. Liquid material under hard surface film will be less concentrated and not usable.

Goodrich Age-Sensitive Products (continued):

Part Number	Unit of Measure	Alternate Designation	Description	Purpose	Visual Description of Material	Evidence of Degradation
74-451-S-1 74-451-206	2 ounces	PSA Primer	FASTboot™ primer	Activates PSA adhesive on back of neoprene, Estane®, and silver patches	Amber liquid with solvent odor	Pen tip is moist with primer. Shake well prior to using. Seal pen well when done using.
74-451-S-2 Kit 74-451-156	8 ounce	0165JC51	Silver Surface spray	Resurface silver Estane® pneumatic de-icers	Thin silver liquid with sharp odor	0165JC51 - Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. Material should be brushable, flow to fill in brush marks and dry to a tack free coating.
74-451-157	Jet spray pack	Jet Pack Spray Kit	Propellant		Clear odorless gas	Jet Pack - Aerosol spray - Can needs sufficient pressure to spray 0165JC51 material.
74-451-Z-Kit 74-451-127	1 quart	AgeMaster No. 1	De-Icer Preservative		Dark red-brown liquid	AgeMaster No. 1 - Check for settled material at the bottom of the can that will not go back into solution.
74-451-139	16 oz. Pump	ICEX® II	Ice Adhesion Inhibitor	Deicer Care	Clear Liquid, slight amine odor	ICEX® II - Check for gelling of material or material that comes out in lumps.
74-451-178	1 pint	ShineMaster™	Cosmetic Treatment		Milky liquid, slight odor	ShineMaster™ - Check for settled material at the bottom of the can that will not go back into solution.
74-451-179	1 quart	ShineMaster™ Prep	Cleaner		Clear thick liquid, ammonia odor	ShineMaster™ Prep - Check for ammonia order.
77-798 82-076-1	6 ounces	F63B12	Sealer	Edge seal for propeller deicers	Black liquid with solvent odor	F63B12 - Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. Material should be brushable, flow to fill in brush marks and dry to a tack free coating.
82-076-2	1 ounce	V66V29	Accelerator		Light to dark amber colored liquid with solvent odor	V66V29 - Look for crystallization of material into hard pieces, cloudiness or precipitation in container. Liquid material under hard surface film will be less concentrated and not usable.
74-451-AQ1 74-451-235-1	1 pint	0165JC421	Silver Edge Sealer	Edge seal for silver Urethane silver deicers	Thin silver liquid with peppermint odor	0165JC421 - Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. Material should be brushable, flow to fill in brush marks and dry to a tack free coating.
74-451-152	1 ounces	KE7005	Accelerator		Thin dark amber to light yellow liquid, free of crystals, ketone odor	KE-7005 - Look for crystallization of material into hard pieces, cloudiness or precipitation in container. Liquid material under hard surface film will be less concentrated and not usable.
74-451-AQ2 74-451-235-2	1 quart	0165JC421	Silver Edge Sealer	Edge seal for silver Urethane silver deicers	Thin silver liquid with peppermint odor	0165JC421 - Check can for settled material that will not go back into solution on stirring and/or gelling of material. Gelling is indicated by material not exhibiting clean break on pouring or coming out in lumps. Material should be brushable, flow to fill in brush marks and dry to a tack free coating.
74-451-143	2 ounces	KE7005	Accelerator		Thin dark amber to light yellow liquid, free of crystals, ketone odor	KE-7005 - Look for crystallization of material into hard pieces, cloudiness or precipitation in container. Liquid material under hard surface film will be less concentrated and not usable.
74-451-AP 74-451-234-1	24 each, 4 gm. Pouches	0165JC414	Repair Material	Repair 1/16" or smaller pinholes on silver urethane and silver Estane® pneumatic de-icers.	Thin silver liquid with peppermint odor	0165JC414 - thick silver material that is spreadable
74-451-201	8.5 grams	A1343	Accelerator		Amber to dark brown liquid, free of crystals	A-1343-B - Look for crystallization of material into hard film on top of container and cloudiness or precipitation in container. Liquid material under thin skin on top is usable material if no cloudiness or precipitation.
74-451-237-32	32 ounce bottle	Goodrich Aerospace Protectant	Cosmetic Treatment	De-Icer Care	Milky Liquid Slight Odor	Check for Settled Material that will not go back in solution
74-451-238-32	32 ounce bottle	Goodrich Aerospace Cleaner	Cleaner	De-Icer Cleaner	Liquid	Check for Settled Material that will not go back in solution
74-451-239-16	16 ounce tube	Goodrich Silver Urethane Polish	SILVERboot™ Polish	Silver De-Icer Polish	Tan Thixotropic (gel) Liquid	Check for settled Material that will not go back in solution, material should be smooth and not clumpy.