

UTC Aerospace Systems 2018 World List Price Catalog

UTC Aerospace Systems “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.

UTC Aerospace Systems - Age-Sensitive Products:

| Part Number | Unit of Measure | Alternate Designation | Description | Purpose | Visual Description of Material | Evidence of Degradation |
|--|-----------------------------------|-----------------------|--------------------------------|---|--|--|
| 74-451-11 74-451-11-1 | 1/2 pint 1 quart | 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. |
| 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. (Shake well prior to using. Seal pen well when done using.) |
| 74-451-AC Kit 74-451-150 75-451-194 | 1 fl. oz. 1 pint | A1343B 0165JC215 | Accelerator Cement | Erosion protection for neoprene or Estane® pneumatic de-icers (approved for certain aircraft models only) | Dark amber to light yellow liquid, free of crystals Black liquid with ketone odor | 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. 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 74-451-209 | 8.5 grams 24 ct., 4 gm pouches | A1343B 0165TS42 | Accelerator Repair Material | Repair 1/16" or smaller pinholes on neoprene or Estane® pneumatic de-icers. | Dark amber to light yellow liquid, free of crystals Thick black paste/liquid with ketene odor | 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. 0165TS42 - Check for thick material that is spreadable. |

UTC Aerospace Systems 2018 World List Price Catalog

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. |

UTC Aerospace Systems 2018 World List Price Catalog

Goodrich Age-Sensitive Products (continued):

| Part Number | Unit of Measure | Alternate Designation | Description | Purpose | Visual Description of Material | Evidence of Degradation |
|-----------------------|--------------------------|-----------------------|----------------------------|---|---|---|
| 74-451-Q-2 Kit | | | | | | |
| 74-451-160 | 1 quart | 0165TS38 | 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 | Silver Gap Filler - Part B | | Silver colored paste, amine odor | |
| 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. 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. |
| 74-451-143 | 2 ct, 1/2 oz. containers | KE7005 | Accelerator | | Thin dark amber to light yellow liquid, free of crystals, ketone odor | |
| 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. 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. |
| 74-451-152 | 2 oz. containers | KE7005 | Accelerator | | Thin dark amber to light yellow liquid, free of crystals, ketone odor | |
| 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. Jet Pack - Aerosol spray - Can needs sufficient pressure to spray 0165JC51 material. |
| 74-451-157 | Jet spray pack | Jet Pack Spray Kit | Propellant | | Clear odorless gas | |
| 74-451-Z-Kit | | | | | | |
| 74-451-127 | 1 quart | AgeMaster No. 1 | De-Icer Preservative | Deicer Care | Dark red-brown liquid | AgeMaster No. 1 - Check for settled material at the bottom of the can that will not go back into solution. ICEX® II - Check for gelling of material or material that comes out in lumps. ShineMaster™ - Check for settled material at the bottom of the can that will not go back into solution. ShineMaster™ Prep - Check for ammonia order. |
| 74-451-139 | 16 ox. Pump | ICEX® II | Ice Adhesion Inhibitor | | Clear Liquid, slight amine odor | |
| 74-451-178 | 1 pint | ShineMaster™ | Cosmetic Treatment | | Milky liquid, slight odor | |
| 74-451-179 | 1 quart | ShineMaster™ Prep | Cleaner | | Clear thick liquid, ammonia odor | |
| 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. 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. |
| 82-076-2 | 1 ounce | V66V29 | Accelerator | | Light to dark amber colored liquid with solvent odor | |

UTC Aerospace Systems 2018 World List Price Catalog

Goodrich Age-Sensitive Products (continued):

| Part Number | Unit of Measure | Alternate Designation | Description | Purpose | Visual Description of Material | Evidence of Degradation |
|-------------------|------------------------|-----------------------|--------------------|--|---|---|
| 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. |