

BOEING 737

Application: Floorboards-Wet Areas

Summary

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.

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.

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



SKYFLEX washers are used on fasteners to eliminate moisture paths through the fastener threads.



SKYFLEX[®] aircraft sealant is being installed around the corner of the panel. Notice that the sealant has been overlapped. By using the proper installation technique, water ingress will be prevented from reaching the structure.

Floorboards-Wet Areas (Lavatory, Galley, & Entryway)

As part of the CPCP program at America West, SKYFLEX[®] aircraft sealant was used to minimize the corrosion in the wet areas of the floorboards. SKYFLEX sealant part number GSC-21-80767-00 was installed on all floorboards and washer part number GUA6003 was applied to each screw on the floorboards where aluminum inserts were present.

America West utilizes approximately 250 feet of GSC-21-80767-00 and 500 washers, part number GUA6003, per aircraft in the wet areas of the forward and aft floorboards. Clip nut tape, part number GSC-21-95500-01, was also used in this area, approximately 500 pieces per aircraft. On the Boeing 737-200 and 737-300 these products are installed from the forward stations 270 through 360 and the rear stations 929-1016.

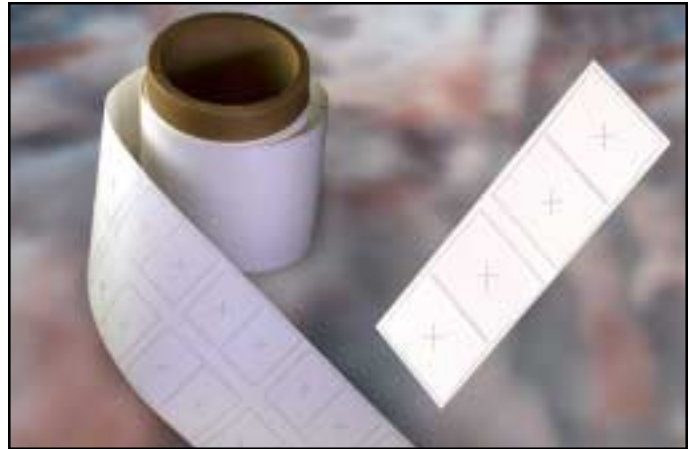
Sealant Handling and Storage

SKYFLEX aircraft sealant does not require any special handling or storage. The sealant is non-hazardous, therefore, there is no hazardous waste disposal, no hazardous storage, and no hazardous transportation. No special equipment or facilities are needed when using SKYFLEX sealant since it is a non-hazardous material. The material should be stored at room temperature in a dry area.

The shelf life of SKYFLEX aircraft sealant varies from two years to an unlimited shelf life. Material supplied with an adhesive has a shelf life of two years. Material supplied without adhesive has an unlimited shelf life.

Sealant Part Numbers

SKYFLEX[®] aircraft sealants are available in varied widths, thicknesses, with adhesive, and without adhesive, depending upon the application requirements. Tape sealant, such as GSC-21-80767-00, is available in spools of 100 feet. SKYFLEX washers, part number GUA6003, are sold er piece but are available in packages of 50. SKYFLEX clipnut tape, part number GSC-21-95500-01, is available on spools of 1,000 pieces. Three part numbers have been used on the floorboards of wet areas of the Boeing 737 . Shown below are SKYFLEX sealant part numbers GSC-21-80767-00, GUA6003, and GSC-21-95500-01.



SKYFLEX sealant part number GSC-21-95500-01.



SKYFLEX sealant part number GSC-21-80767-00.



SKYFLEX sealant part number GUA6003.