

## 500 SERIES (WITH ADHESIVE)

Proven by more than 20 years of successful applications, GORE® SKYFLEX® Aerospace Materials solve many sealing and surface protection challenges in civil and military aircraft. They are lightweight, flexible and non-curing for easy installation in less time, significantly reducing manufacturing cycles and direct maintenance time. Gore's tapes and gaskets are available in a variety of material sets, forms, and sizes and are often used as an alternative to Form-In-Place (FIP) seals because they simplify aircraft assembly with seals that can withstand multiple open-close cycles.

### Regulatory Information

GORE® SKYFLEX® Aerospace Gaskets, 500 Series with adhesive are supplied as die cut gaskets and as a rolled good on a carrier film and defined as:

- an article in the United States per OSHA Regulation 29 CFR 1910.1200(b)(6)(v) during normal intended use
- described in EC Regulation 1907/2006/EC
- a "Manufactured Item" under Canadian CEPA regulations

As a result, a Safety Data Sheet (SDS) or Material Safety Data Sheet (MSDS) is not required. The carrier film should be removed at the point of use. In addition, the 500 Series with adhesive do not contain any of the REACH Regulation (EU/1907/2006) Candidate List of Substances of Very High Concern (SVHC) at concentrations above 0.1% (w/w) as published by the European Chemicals Agency (ECHA).

### Safety Information

GORE® SKYFLEX® Aerospace Gaskets, 500 Series with adhesive are non-hazardous materials that can be installed, removed or repaired without using personal protective equipment (PPE). Also, no special waste handling is required.

If the materials are cut or removed using burning, grinding or elevated temperature processes, or if they are involved in a fire, hazardous decomposition by-products may form – such as carbon dioxide, carbonyl fluoride, carbon monoxide, hexafluoropropylene, hydrogen, hydrogen fluoride, perfluoroisobutylene, tetrafluoroethylene, and traces of incompletely burned carbon products.

### Recommended Standard Practices

Gore recommends the following standard practices when installing or repairing GORE® SKYFLEX® Aerospace Gaskets, 500 Series with adhesive and to reduce exposure to decomposition by-products:

1. Visit Gore's website and download step-by-step instructions or watch instructional videos for installing and repairing the materials.
2. Do not heat the materials over 120° C (248° F). Note that temperature is dependent on the adhesive specified.
3. Avoid burning, grinding, high-temperature cutting or melting of the materials without the use of effective local exhaust ventilation and PPE.
4. Protect the materials from fire. However, in the event of a fire use full PPE, including a self-contained breathing apparatus to avoid potential symptoms related to polymer fume fever. In addition, hydrogen fluoride fumes emitted during a fire can react with water to form hydrofluoric acid. Furthermore, wear neoprene gloves when handling refuse from a fire.
5. Dispose of the materials according to local, state, national or international regulations.

For more information regarding GORE® SKYFLEX® Aerospace Materials, visit [www.gore.com/skyflex](http://www.gore.com/skyflex) to download the data sheet, installation guides, and instructional videos or contact a Gore representative.

# 500 SERIES (NO ADHESIVE)

Proven by more than 20 years of successful applications, GORE® SKYFLEX® Aerospace Materials solve many sealing and surface protection challenges in civil and military aircraft. They are lightweight, flexible and non-curing for easy installation in less time, significantly reducing manufacturing cycles and direct maintenance time. Gore's tapes and gaskets are available in a variety of material sets, forms, and sizes and are often used as an alternative to Form-In-Place (FIP) seals because they simplify aircraft assembly with seals that can withstand multiple open-close cycles.

## Regulatory Information

GORE® SKYFLEX® Aerospace Gaskets, 500 Series (no adhesive) are supplied as die cut gaskets and as a rolled good and defined as:

- an article in the United States per OSHA Regulation 29 CFR 1910.1200(b)(6)(v) during normal intended use
- described in EC Regulation 1907/2006/EC
- a "Manufactured Item" under Canadian CEPA regulations

As a result, a Safety Data Sheet (SDS) or Material Safety Data Sheet (MSDS) is not required. In addition, the 500 Series (no adhesive) do not contain any of the REACH Regulation (EU/1907/2006) Candidate List of Substances of Very High Concern (SVHC) at concentrations above 0.1% (w/w) as published by the European Chemicals Agency (ECHA).

## Safety Information

GORE® SKYFLEX® Aerospace Gaskets, 500 Series (no adhesive) are non-hazardous materials that can be installed, removed or repaired without using personal protective equipment (PPE). Also, no special waste handling is required.

If the materials are cut or removed using burning, grinding or elevated temperature processes, or if they are involved in a fire, hazardous decomposition by-products may form – such as carbon dioxide, carbonyl fluoride, carbon monoxide, hexafluoropropylene, hydrogen, hydrogen fluoride, perfluoroisobutylene, tetrafluoroethylene, and traces of incompletely burned carbon products.

**The information provided in this document is believed to be correct as of the date issued. It is the responsibility and legal obligation of the user to define and implement a suitable and sufficient risk assessment that considers all locally valid regulations and safety measures before using GORE® SKYFLEX® Aerospace Materials.**

This document is for informational purposes only and not a substitute for published technical data. For more information regarding GORE® SKYFLEX® Aerospace Materials, visit [gore.com/skyflex](http://gore.com/skyflex).

NOTICE — USE RESTRICTIONS APPLY. Not for use in food, drug, cosmetic or medical device manufacturing, processing, or packaging operations.

GORE, SKYFLEX, *Together, improving life*, and designs are trademarks of W. L. Gore & Associates. © 2022 W. L. Gore & Associates, Inc.

## Recommended Standard Practices

Gore recommends the following standard practices when installing or repairing GORE® SKYFLEX® Aerospace Gaskets, 500 Series (no adhesive) and to reduce exposure to decomposition by-products.

1. Visit Gore's website and download step-by-step instructions or watch instructional videos for installing and repairing the materials.
2. Do not heat the materials over 260° C (500° F).
3. Avoiding burning, grinding, high-temperature cutting or melting of the materials without the use of effective local exhaust ventilation and PPE.
4. Protect the materials from fire. However, in the event of a fire use full PPE, including a self-contained breathing apparatus to avoid potential symptoms related to polymer fume fever. In addition, hydrogen fluoride fumes emitted during a fire can react with water to form hydrofluoric acid. Furthermore, wear neoprene gloves when handling refuse from a fire.
5. Dispose of the materials according to local, state, national or international regulations.

For more information regarding GORE® SKYFLEX® Aerospace Materials, visit [www.gore.com/skyflex](http://www.gore.com/skyflex) to download the data sheet, installation guides, and instructional videos or contact a Gore representative.