

# BONDERITE L-GP 323 ACHESON

Known as EMRALON 323 (GLEITDAG)(AEROSOL)  
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## PRODUCT DESCRIPTION

BONDERITE L-GP 323 ACHESON provides the following product characteristics:

<b>Technology</b>	Lubricant
<b>Product Type</b>	PTFE dispersion in Aerosol
<b>Application</b>	Dry film lubricant

BONDERITE L-GP 323 ACHESON is a fast-drying resin-bonded P.T.F.E. based dry film lubricant capable of coating wood, metal, rubber, plastic and glass substrates.

BONDERITE L-GP 323 ACHESON is specially designed for low-friction load repetitive stresses. Moving parts wear longer, work harder and need less maintenance when coated with BONDERITE L-GP 323 ACHESON and the room temperature cure allows its use where conventional sintered PTFE coatings cannot be considered.

### Special Features:

- Aerosolised for convenience
- Clean, easy application
- Good surface adhesion to most substrates
- Excellent lubricity
- Hard abrasion resistant surface
- Thin film
- Room temperature cure
- Translucent coating
- Life long lubrication in many applications

### Application Areas:

Moving parts (wood, metal, fabric, plastic, rubber)  
Coin mechanisms  
Door and window guides/runners  
Chutes  
Business machines  
Wood working tables  
Lock parts  
Saws and planes  
Rack slides  
Wood furniture Drawers  
Wood table slides  
Packaging Equipment

## TECHNICAL DATA

### (as supplied)

Lubricant	PTFE
Binder	thermoplastic resin

Presentation	aerosol spray
Carrier	translucent solvents
Flash Point, °C	4
Theoretical coverage	2 m <sup>2</sup> /can at a coating thickness of 12 μ

### (as cured)

Color:	translucent
Coefficient of friction (static)	0.06 to 0.08
Maximum service temperature:	
continuous, °C	80
intermittent, °C	115
Recommended film thickness, μm	5 to 15

## DIRECTION OF USE

### Preliminary Statement:

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

### Pretreatment:

Substrates to be coated should be clean and dry, free from contamination and residues such as dirt, grease or powder before applying BONDERITE L-GP 323 ACHESON. A light sanding with sandpaper or emery cloth followed by a solvent wipe and air dry may be sufficient. However, to obtain maximum performance from the coating, the surface cleaning process may be followed by either grit blasting or an appropriate chemical treatment, such as phosphating, anodizing or acid etching.

### Mixing:

BONDERITE L-GP 323 ACHESON is ready for use in an aerosol container. Shake the spray can for 30 seconds before use.

### Application:

See instructions on the container.

### Curing:

BONDERITE L-GP 323 ACHESON coatings are dry to touch in about 5 minutes and are dry enough to handle in approx. 20 minutes, depending on film thickness.

The coating is fully cured in one hour.

Slight warming, not over 65 °C will shorten the total curing period to approx. 15 minutes depending on thickness of application and substrate.

Application during periods of high humidity may increase



opacity or blush, and exposure to strong sunlight may cause darkening, but neither phenomenon adversely affects coating performance.

### Precautions

BONDERITE L-GP 323 ACHESON coatings are moderately resistant to some inorganic corrosives, such as sulfuric acid and sodium hydroxide; however, contact with organic solvents such as alcohols, esters and ketones should be avoided.

Application to plastic or fabric may cause the substrates to swell or soften temporarily.

In most cases, plastic regains its original dimensions on drying.

Often the solvent action of the carrier etches the substrate, promoting increased coating adhesion.

Avoid prolonged storage at temperatures above 26 °C.

### Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

**Hazards identification**

**Transport information**

**Regulatory information**

### Storage:

- 24 months from date of qualification under original seal.

## ADDITIONAL INFORMATION

### Disclaimer

#### Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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Reference 0.2