

## Technical Data Sheet EF<sup>®</sup> Accelerator 58

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### Product Description

EF<sup>®</sup> Accelerator 58 is a single component non-CFC solvent based product, formulated to provide a faster cure on acidic surfaces and cure excess Instantbond<sup>™</sup> cyanoacrylate adhesive outside the bond line.

### Typical Applications

EF<sup>®</sup> Accelerator 58 is used to increase the cure speed of HERNON<sup>®</sup> Instantbond<sup>™</sup> Adhesives. It is especially suited for post application on exposed Instantbond<sup>™</sup> adhesive outside of the bond line. Loudspeaker assembly and bonding jewelry are two examples.

### Product Benefits

- Improves gap-filling capability of Instantbond<sup>™</sup> adhesives.
- Reduces fixture time.
- On part time of 24 hours allows off-line pre-treatment of parts with accelerator.
- Has zero ozone depletion potential.

### Typical Properties

Property	Value
Solvent	n-Heptane
Appearance	Transparent, colorless liquid
Viscosity @ 25°C, cP	1
Specific Gravity	0.70
Drying Time, seconds	≤ 60
On Part Life, hours	24
Flash point	See MSDS

### Typical Performance

Fixture time and cure speed achieved as a result of using EF<sup>®</sup> Accelerator 58 depend on the adhesive used and the substrate bonded. Fixture time is defined as the time to develop a shear strength of 0.1 N/mm<sup>2</sup>

Fixture Time, ISO 4587, single side activation with EF<sup>®</sup> Accelerator 58

Adhesive	Substrate	Fixture Time, secs.
Instantbond <sup>™</sup> 117	Degreased steel	≤ 15

### Handling Precautions

Accelerator must be handled in a manner applicable to highly flammable materials and in compliance with relevant local regulations.

The solvent can affect certain plastics or coatings. It is recommended to check all surfaces for compatibility before use.

### General Information

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected with a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

Under no circumstances should accelerator and adhesive be mixed directly as liquids. Use only in a well ventilated area.

### Directions for Use

1. Apply Instantbond<sup>™</sup> adhesive to one of the surfaces to be bonded and assemble parts.
2. Apply EF<sup>®</sup> Accelerator 58 over all exposed Instantbond<sup>™</sup> adhesive by spray or by drop. (Use one drop of activator per one drop of exposed adhesive)

### Storage

EF<sup>®</sup> Accelerator 58 is classified as **HIGHLY FLAMMABLE** and must be stored in an appropriate manner in compliance with relevant regulations. Do not store near oxidizing agents or combustible materials.

Store in a cool, dry location in unopened containers at a temperature between 46°F to 82°F (8°C to 28°C) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused material, do not return any material to its original container.

### Dispensing Equipment

HERNON<sup>®</sup> offers a complete line of semi and fully automated dispensing equipment. Contact HERNON<sup>®</sup> Sales for additional information.

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