

Technical Data Sheet Accelerator 58

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Product Description

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

Typical Applications

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

Product Benefits

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

Accelerator 58 conforms to the requirements of CID-A-A-3097 /Type I and II.

Typical Properties

Property	Value
Solvent	n-Heptane
Chemical Type	Amine
Appearance	Clear liquid
Specific Gravity	0.70
Drying Time, seconds	≤ 30
Viscosity @ 25°C, cP	Low
On Part Life, hours	24
Flash point	See SDS

Typical Performance

Fixture time and cure speed achieved as a result of using **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/mm²

Tested on grit-blasted steel lap-shear specimens, one side primed with **Accelerator 58**.

Adhesive	Value, seconds
Instantbond™ 123	20-25 seconds

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 Safety Data Sheet (SDS).

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™** adhesive to one of the surfaces to be bonded and assemble parts.
2. Apply **Accelerator 58** over all exposed **Instantbond™** adhesive by spray or by drop. (Use one drop of activator per one drop of exposed adhesive)

Storage

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 45°F to 85°F (7°C to 29°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® offers a complete line of semi and fully automated dispensing equipment. Contact **Hernon® Sales** for additional information.

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