

Primer 37824

Product Description

Hernon[®] **Primer 37824** is a single component, solvent-free, reactive monomer-based product designed to promote the cure speed of **Hernon**[®] anaerobic adhesives and sealants.

Typical Applications

Primer 37824 is used where increased cure speed of **Hernon**[®] anaerobic products is required, and for difficult to bond applications where galvanized steel or zinc electroplated surfaces are involved. This product was specially formulated for increasing bond integrity on dichromated surfaces.

Typical Properties

| Property | Value |
|-------------------------|-------------------------|
| Appearance | Blue Fluorescent Liquid |
| Chemical Type | Methacrylate Monomer |
| Specific Gravity @ 25°C | 1.03 |
| Viscosity, cP | 5 to 10 |
| Solvent | None |
| On Part Life, hours | ≤ 1 |
| Flash Point | See SDS |

Typical Performance

Fixture time and cure speed achieved as a result of using **Primer 37824** depend on the adhesive used, the substrate bonded, surface cleanliness and whether one or two surface activation is used.

Fixture Time, ASTM D1144

Grit blasted steel lap-shear specimens
One side activated with **Primer 37824**

| Hernon [®] Adhesive | Fixture Time (minutes) |
|-------------------------------------|------------------------|
| HASA 39781 | ≤ 2 |

Fixture time is defined as the time to develop a shear strength of 0.1 N/mm²

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 activator and adhesive be mixed directly as liquids. Use only in a well-ventilated area.

Where aqueous washing systems are used to clean the surfaces before bonding, it is important to check for compatibility of the washing solution with the adhesive. In some case, these aqueous washes can affect the cue and performance of the adhesive.

This product is not normally recommended for use on plastics (particularly thermoplastic materials where stress cracking of the plastic could result). Users are recommended to confirm compatibility of the product with such substrates.

Directions for Use

Cleanliness of the parts to be assembled has a direct effect on the speed and final curing performance of the adhesive. Be sure that the parts are clean and dry. **Cleaner 62** is a reliable way of cleaning parts.

1. Apply the activator on one or both mating surfaces to be bonded.
2. The activator will not dry and will remain active for up to 1 hour after application.
3. Apply **Hernon**[®] adhesive to one surface and assemble parts immediately. Hold firmly for one to three minutes. Poorly fitted parts may require longer holding time.
 4. When activator is applied to only one surface, apply the adhesive to the non-activated surface.
 5. Secure the assembly and wait for adhesive to fixture before any handling.
 6. Full cure occurs in 3 to 24 hours depending upon the gap between the surfaces.
 7. When possible, move surfaces in relation to each other for a few seconds to distribute the adhesive evenly and to achieve maximum adhesion.

Storage

Primer 37824 should be stored 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.

Hernon® Technical Data Sheet

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Dispensing Equipment

Hernon® offers a complete line of semi and fully automated dispensing equipment. Contact **Hernon® Sales** for additional information.

These suggestions and data are based on information we believe to be reliable and accurate, but no guarantee of their accuracy is made. HERNON MANUFACTURING®, INC. shall not be liable for any damage, loss or injury, direct or consequential arising out of the use or the inability to use the product. In every case, we urge and recommend that purchasers, before using any product in full scale production, make their own tests to determine whether the product is of satisfactory quality and suitability for their operations, and the user assumes all risk and liability whatsoever, in connection therewith. Hernon's Quality Management System for the design and manufacture of high-performance adhesives and sealants is registered to the ISO 9001 Quality Standard.