

**Technical Datasheet**

**Holdtite CA 49**

# Product Description

Holdtite CA49 is a high viscosity surface insensitive cyanoacrylate, formulated to provide high tensile and shear strengths on a wide variety of substrates. CA49 is also thixotropic, which reduces the migration of the liquid adhesive following application. Due to the surface insensitive nature of CA49, this grade also maintains a rapid fixture time on acidic surfaces such as wood, leather and dichromate metals.

# Typical Applications

Holdtite CA49 is used in a huge cross section of industrial applications. From OEM to MRO industries, this grade can be used on a variety of plastic, rubber and metal bonding applications including automotive, white goods and furniture manufacturing. Typical examples shown below:

* Bonding center consoles, dashboards and weather stripping
* Bonding identification tags to equipment
* Bonding rubber pads to equipment base or legs
* Bonding components in a speaker cone
* Bonding leather and rubber during shoe manufacture
* Bonding fabric on lampshades

# Instructions for Use

1. For best results clean all surfaces with a cleaning solvent and allow to dry fully.
2. Apply adhesive to one of the mating parts and assemble carefully.
3. Allow to fully cure before applying load.
4. Excess adhesive can be carefully cleaned up with cleaning solvents such as acetone.

# Properties of Uncured Material

|  |  |
| --- | --- |
| Resin | Ethyl Cyanoacrylate |
| Appearance | Colorless Gel |
| Viscosity | 50,000cps |
| Cure System | Humidity |

**Performance of Cured Material**

|  |  |
| --- | --- |
| Fixture Speed | < 90 Seconds @ 200C |
| Full Cure Time | 24 hours @ 200C |
| Typical Strength | 5 to 25 N/mm2 |
| Gap Fill | 0.2mm |
| Temperature Range | ‐550C to 820C |

**Packaging**

Holdtite CA49 is available in 20g metal tubes, and 300g HDPE cartridges. In addition, we can offer automated dispensing lines for the bulk dispensing of this material.

# Storage & Shelf life

Holdtite CA49 should be stored unopened in a cool dry location, out of direct sunlight. Stored correctly, this grade can offer a 12 month shelf life from manufacture.

# Health and Safety in Use

**Holdtite CA49 is an ethyl cyanoacrylate, and can bond skin and eyelids in seconds. This grades should not be used without consulting the MSDS, which contains full information regarding the use of this product, including Transport, Disposal, Toxicological, Exposure Controls, Accidental Release and First Aid measures essential to the safe use of this product.**

The data, information and values contained in this Technical Data Sheet have been obtained by specific tests conducted in a controlled environment, and should be used for guidance purposes only. Although we believe them to be reliable and accurate, users should always conduct their own tests in their specific working conditions to ensure that the product is suitable and effective for use. It is the users' sole responsibility to determine the suitability of the product for the application. Bondchem Ltd cannot be held responsible for the results of procedures undertaken elsewhere, nor for the safeguarding of personnel or property, all of which is the duty of the user. Suitability of products or methods is discretionary. Therefore, warrantees or implied usage obligations should not be attributed to, and are not the responsibility of, Bondchem Ltd. Bondchem Ltd are not liable for any financial loss or other damages incurred by the user as a result of the use of this product.