

## Technical Datasheet C44

### Product Description

**Bondchem C44** is a high viscosity surface insensitive cyanoacrylate, formulated to provide high tensile and shear strengths on a wide variety of substrates. **C44** is also thixotropic, which reduces the migration of the liquid adhesive following application. Due to the surface insensitive nature of **C44**, this grade also maintains a rapid fixture time on acidic surfaces such as wood, leather and dichromated metals.

### Typical Applications

**Bondchem C44** 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 centre 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 cure fully 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	Colourless Gel
Viscosity	100,000cps
Cure System	Humidity

### Performance of Cured Material

Fixture Speed	< 90 seconds @ 20°C
Full Cure Time	24 hours @ 20°C
Typical Strength	5 to 25 N/mm <sup>2</sup>
Gap Fill	0.2mm
Temperature Range	-55°C to 82°C

### Packaging

**Bondchem C44** 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 & Shelflife

**Bondchem C44** 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

Bondchem C44 is an ethyl cyanoacrylate, and can bond skin and eyelids in seconds. This grade 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.