

Technical Datasheet Superset 47

Product Description

Truloc Superset 47 is an advanced surface insensitive cyanoacrylate that is formulated to provide high tensile and shear strengths on a wide variety of substrates. This single component adhesive has an active cure mechanism, which when pressed into a thin film between two surfaces, will cure almost instantaneously to form a rigid thermoplastic. Due to the surface insensitive nature of Superset 47, this grade also maintains a rapid fixture time on acidic surfaces such as wood, leather and dichromated metals.

Typical Applications

Truloc Superset 47 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 are shown below:

- Bonding centre consoles, dashboards and weather striping
- 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 suitable 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 liquid
Viscosity Brookfield Sp 1 @ 20rpm	120cps
Cure System	Humidity

Performance of Cured Material

Fixture Speed	< 8 seconds @ 20°C
Full Cure Time	24 hours @ 20°C
Typical Strength	5 to 28 N/mm ²
Gap Fill	0.1mm
Temperature Range	-55°C to 90°C

Packaging

Truloc Superset 47 is available in 3g, 20g, 50g and 500g HDPE bottles. In addition, we can offer automated dispensing lines for the bulk dispensing of this material

Storage & Shelflife

Truloc Superset 47 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

Truloc Superset 47 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.