Technical Datasheet Superset 50

Product Description

Truloc Superset 50 is an advanced cyanoacrylate, 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 high viscosity of the Superset 50, this grade can provide both gap fill, and increased assembly time, prior to cure.

Typical Applications

Truloc Superset 50 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 fully cure before applying load
4. Excess adhesive can be carefully cleaned up with cleaning solvents such acetone.

Properties of Uncured Material

Resin	Ethyl Cyanoacrylate
Appearance	Colourless liquid
Viscosity	1,500cps
Cure System	Humidity

Performance of Cured Material

Fixture Speed	< 20 Seconds @ 20ºC
Full Cure Time	24 hours @ 20ºC
Typical Strength	5 to 28 N/mm²
Gap Fill	0.25mm
Temperature Range	-55°C to 82ºC

Packaging

Truloc Superset 50 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 50 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 50 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 has been obtained by conducting various tests in a controlled laboratory 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. Truloc 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, Truloc Ltd. Truloc Ltd are not reliable for any financial loss or other damages incurred by the user as a result of the use of this product.

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