

Vortex VC485

REF: TDS080

Cyanoacrylate Adhesive

Description

Vortex VC485 is a high viscosity ethyl cyanoacrylate adhesive. It is ideal for gap filling applications and performs well on metal to metal bonding and on other industrial substrates. It is particularly suitable for porous surfaces such as Ceramics, Wood, and also for Plastics, Rubber, Textiles and Leather. **Vortex VC485** is a single component, easy to use and cures very rapidly at room temperature. It has excellent humidity resistance and maintains its strength at low temperatures. The product is solvent free and cures fully, leaving no residue and may be used in conjunction with an appropriate Primer.

General Characteristics

Appearance	Colourless
Corrosivity	None
Flashpoint	Greater than 85°C
Gap Filling Capacity	0.25mm
Shelf Life	Greater than 12 Months
Specific Gravity	1.05
Toxicity	Non Toxic
Type	Ethyl
Viscosity	1500cps @ 25°C
Vapour Pressure	Low

Performance Characteristics

SUBSTRATE	RATE OF CURE
RUBBER Nitrile, N-Butyl, Neoprene	15-20 seconds
METALS Aluminium, Mild Steel Galvanized Steel	20-30 seconds
PLASTICS PVC, ABS, PMMA, Polycarbonate, Phenolformaldehyde.	15-20 seconds

Vortex VC485 - Cont.

Tensile Strength 320 DaN/cm (2)

Tensile Shear 180 DaN/cm (2)

Max/Min Temp -60 to +90°C

How to Use

*Degrease surfaces thoroughly. Apply a drop of **Vortex VC485** to one of the surfaces to be bonded. Assemble immediately, light contact pressure is needed to prevent movement and minimise bond gap. Cure can be achieved within 10 seconds in most cases.*

Storage

Store products out of sunlight in original container. Do not mix used product with unused product. The expected shelf life is at least 6 months, stored at room temperatures between 5 and 25°C. If stored at 0 to 5°C shelf life can be increased to 12 months+.

Health and Safety

Bonds skin and eyes in seconds. In the event of bonded skin soak with water and gently peel apart with a blunt object. Avoid prolonged contact with skin, especially if sensitive, bruised or lacerated. Wash splashes of adhesive off skin with soap and water. Eyes should be protected from inadvertent splashes. In case of eye contact flush immediately with water and seek medical attention. If large amounts of adhesive are spilled onto certain materials such as paper or cotton very rapid curing takes place. Contaminated clothing should therefore be removed as soon as possible to avoid possible burns to skin.

PACK SIZE:- **Vortex VC 485** is available in 20g, 50g and 500g bottles.

Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it, and that the actual conditions of use are suitable.