



TRIMOL 23

THIXOTROPIC EPOXY ADHESIVE

DESCRIPTION TRIMOL 23 is a two component solvent-free system, both components are thixotropic. The resin component is black and the hardener component is white thus a dark uniform grey is produced upon thorough mixing. TRIMOL 23 is formulated to provide an adhesive which may be applied in cold, damp or dry conditions.

CHARACTERISTICS OF THE PRODUCT The mixed adhesive remains in place on vertical or inverted surfaces and, when cured, forms strong bonds to most structural materials e.g., wood, metals, glass reinforced plastics and laminates. TRIMOL 23 is resistant to most common chemicals - in case of doubt a telephone call to our Technical Department will result in an opinion regarding life expectancy.

USES TRIMOL 23 is well suited to applications in the building and civil engineering industries where a thixotropic (negligible slump) adhesive or primer is required. Its ability to cure in damp, cold conditions is further enhanced as the adhesive will cure under water after placing.

TRIMOL SYSTEM

Product	Appearance	Density at 25°C
TRIMOL 23 RESIN	Black, thixotropic paste	1.6
TRIMOL 23 HARDENER	White, thixotropic paste	1.4

INSTRUCTIONS FOR USE

SURFACE PRETREATMENT Contaminated surfaces can inhibit adhesion. Remove any surface deposits e.g., grease, dust or corrosion products. For optimum bond strength cementitious materials should be abraded by sand-blasting, needle-gunning, wire-brushing etc. Any laitence on concrete should be 28 days old before using TRIMOL 23. Metals should ideally be cleaned by sand or grit blasting. Thermoset plastics should be abraded and solvent washed.

MIXING The entire contents of the hardener container should be mixed with the entire contents of the resin container and mixing with a spatula should be continued until an even grey colour is achieved.

USABLE LIFE

The mixture has a usable life (pot-life) of:

40 mins at 20°C

90 mins at 10°C

180 mins at 5°C

APPLICATION TRIMOL 23 may be applied by trowel, very stiff brush, serrated spreader or spatula and worked in well. Recommended glue-line thickness: 1-30mm. Joints must be closed whilst the adhesive is still tacky.

CURING Ultimate bond strengths are achieved after 4-5 days at 20°C., however, the material will have gelled within 16-18 hours at 20°C.

CLEANING All tools and surfaces should be cleaned with TRIMOL 57 before the mixture has hardened.

STORAGE The separate components stored in dry conditions at 5°C - 25°C have a shelf life of 18 months.

MECHANICAL PROPERTIES

THIXOTROPIC ADHESIVE

Mechanical properties after curing 21 days at 20°C

Test temperature:20°C.

Tensile strength ISO/R527	Mpa	14.8
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Tensile modulus (E) ISO/R527	Gpa	7.3
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Elongation break ISO/R527	%	1
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Flexural strength* ISO 178	Mpa	37
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Compressive strength* ISO 604	Mpa	8033
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*Tested to BS6319 Systems are anticipated to give values 10-15% higher than those quoted

CAUTION TRIMOL 23 Resin and hardener are generally harmless providing that the normal common-sense precautions taken when handling chemicals are observed. For instance neither the separate components nor the uncured mixture should be allowed to come into contact with foodstuffs or utensils. Measures should also be taken to prevent contact with the skin: wearing rubber or plastic gloves will normally suffice along with eye protection. Thoroughly cleanse the skin at the end of each working period by washing with soap and water. Disposable paper towels are recommended to dry the skin. Precautions are fully discussed in Product Safety Information sheet for TRIMOL 23 Resin and Hardener which is available on request.

The information given in the Data sheet is given in good faith and is based upon knowledge and experience of the materials used. However since the application of the product is beyond the control of Triton Chemical Manufacturing Company, the Company cannot accept any responsibility for any loss or damage resulting from the use of the product outside the scope of the intended use and precautions set out in the Data sheet.

REMOVED It is advised that cementitious finishes should be 28 days old.

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