



## Triton TRIMOL 23

### THIXOTROPIC EPOXY ADHESIVE

#### Description

Triton TRIMOL 23 is 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. Triton TRIMOL 23 is formulated to provide an adhesive, which may be applied in cold, damp or dry conditions.

#### Characteristics

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. Triton 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

Triton 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 laitance on concrete should be 28 days old before using Triton 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

Triton 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 **Triton RESIN CLEANER** 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

<b>Thixotropic Adhesive</b>		
Mechanical Properties after curing 21 days at 20°C		
Test temperature 20°C		
Tensile strength ISO/R527	MPa	14.8
Tensile modulus (E) ISO/R527	GPa	7.3
Elongation break ISO 178	%	1
Flexural strength* ISO 178	Mpa	37
Compressive strength* ISO 604	Mpa	8033

## Caution

**Triton 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 in 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 warm water. Disposable paper towels are recommended to dry the skin. Precautions are fully discussed in product safety information for **Triton TRIMOL 23** resin and hardener, which is available on request.

## Removed

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

## Health & Safety

- For full information consult the relevant Material Safety Data Sheet.

For further information please contact:

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