Thor Epoxy Resin

DESCRIPTION

Thor Epoxy Resin is a two component epoxy resin system formulated for use with twin component side by side cartridges using either hand operated or, more normally, air operated guns, using “at the nozzle” static spiral mixer or pot mix for larger applications.

CHARACTERISTICS

Thor Epoxy Resin is colour coded for visual assurance that the two components are fully mixed. The product is solvent free, thixotropic i.e., will not readily slump, and cures in cold, damp conditions.

USES

Thor Epoxy Resin is formulated as an adhesive for bonding and anchoring most building materials e.g. brick, stone, steel, mortar and timber. Once cured Thor E creates a strong stress free joint regardless of the surrounding environment.

Thor E SYSTEM

PRODUCT	APPEARANCE	DENSITY At 25℃
Thor E RESIN	*Orange	1.7
Thor E HARDENER	*Red	1.2

INSTRUCTIONS FOR USE

PREPARATION

Prior to the application of **Thor Epoxy Resin** all surfaces must be free from dust, oil, rust and grease.
Any loose materials must be removed back to a sound surface.

MIXING

When supplied in cartridge form the mixing takes place in a static spiral mixer, which delivers the mixed product to the required surface. When supplied in pots, all of the resin must be mixed with all of the hardener. Under no circumstances should part mixes be used. Mix the two components thoroughly until a consistent, no streaky colour is achieved. When using cartridges, extrude **Thor Epoxy Resin** onto a surface until a consistent non-streaky colour is achieved.

USABLE LIFE

In cartridges **Thor Epoxy Resin** has no waste apart from the mixed product in the nozzle, which will stay workable for a minimum of 15 mins. In pot form the mixed product will remain workable for approximately 15 mins. This time can vary depending upon the working temperature.

CURING

Complete cure: 7 days

TESTING

Not less than 24 hours after application, the temperature to be 12℃ or above.

WORKING TEMPERATURE

The material is formulated for use at 5℃. to 25℃.: it is seasonably adjusted during manufacture to ensure the flow characteristics of the mixed product are constant.

THOR E ADHESIVE

Mechanical properties after curing 21 days at 20°C.
Test temperature: 20°C.
Tensile strength 35 Mpa

ISO/R 527
Flexural strength 30 Mpa
ISO 178
Compressive strength 60 Mpa

STORAGE

The separate components, stored at 5°C. to 20°C. in dry conditions, have a shelf life of at least 9 months.

PACKAGING

400ml side by side cartridge

CLEANING

The method of application cuts cleaning to a minimum but should it be necessary to clean then Thor E RESIN CLEANER should be employed: cured **Thor Epoxy Resin** will require removal by chipping or other mechanical means.

CAUTION

Thor Epoxy Resin is generally harmless providing that the normal common-sense precautions are 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 the MSDS for **Thor Epoxy Resin**, which is available on request.

ISSUE DATE : JANUARY 2010

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