

Thor E Resin

DESCRIPTION Thor E 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 E 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 E 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.

*The colour, but no other ingredient, may be changed at the manufacturers discretion. The change will not affect the cured product in any way.

Thor E SYSTEM

PRODUCT	APPEARANCE	DENSITY AT 25°C
Thor E RESIN	*Orange	1.7
Thor E HARDENER	*Red	1.2

INSTRUCTIONS FOR USE

PREPARATION Prior to the application of Thor E 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 E onto a surface until a consistent non-streaky colour is achieved.

USABLE LIFE In cartridges Thor E 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°C or above.

WORKING TEMPERATURE The material is formulated for use at 5°C. to 25°C.: 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 E ADHESIVE will require removal by chipping or other mechanical means.

CAUTION Thor E ADHESIVE 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 Product Safety Information sheet for Thor E ADHESIVE, 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 the Wykamol Group, 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.

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