

TRI-ROAD MARKING EP 270

Two Components Solvent Base Epoxy For Road Marking.

Description

TRI-ROAD MARKING EP 270 is a two-component, solvent-based epoxy coating designed for industrial floor markings and safety demarcations.

TRI-ROAD MARKING EP 270 provides excellent adhesion to concrete substrates and forms a tough, chemical-resistant film suitable for indoor and covered outdoor areas.



Standard compliance

- EN (1436)
- EN (1871)

Typical uses

Tri -Road Marking EP 270 is used as a road marking on :

- Factory floors and warehouses.
- Loading bays and safety zones.
- Parking lots and service roads .
- Not recommended for highways or areas under prolonged UV exposure.

Advantages

- Two component, easy to apply .
- Saving working time and reduce road off time.
- Excellent abrasion and chemical resistance.
- Strong adhesion to concrete .
- Durable glossy finish.
- Easy to clean and maintain.
- Can be combined with reflective glass beads for visibility.

Technical properties @°25c

Color	White, Yellow, red (other colors on request)
Solid Content (by weight)	75± 2 %
Solid Content (by volume)	59 ± 2 %
Density	1.5 ± 0.1 kg/l
Mixing ratio, A: B by weight	4:1
Pot life	3 hours. (Decreases at higher temperatures)
Initial setting time	2 hours
Final setting time	24 hours
Full hardness	7 days
Re-coating time	8 – 12 hours (depending on weather and DFT conditions)
Min. Application temperature	10° C

Directions for use

Surface Preparation:

- All substrates must be clean, sound, and dry. Remove oil, grease, laitance, dust, and all loosely adhering materials by mechanical means such as grinding or shot blasting.
- Concrete shall be at least 28 days old with moisture content below 5%.
- Steel surfaces must be free from rust, scale, and contamination, preferably prepared to Sa 2½ according to ISO 8501-1.

Mixing:

- Stir Component A (Base) thoroughly before adding the entire contents of Component B (Hardener).
- Mix mechanically at a low speed (300–500 rpm) using an electric drill and suitable paddle until a uniform, streak-free blend is obtained.
- Avoid entrapping air during mixing. Use full kits only-do not split components.

Application:

- Apply the mixed material immediately after mixing using airless spray (recommended), roller, or stiff brush.
- Apply two coats for optimum adhesion and abrasion resistance, observing the specified recoating interval (8–12 hours at 25°C).
- Do not apply below 10°C or when relative humidity exceeds 85%.
- Clean tools and equipment immediately after use with **Tri-Sol 20**.

For more details review the Tri-chem's application methodology

Guide of Application

Item	Min	Max	Act.
Film thickness wet. (µ)	100	200	170
Film thickness dry. (µ)	45	90	75
Rate of use Theo.(m2/L)	10	5	6
Recoat time (approx.)	2 – 4 hrs. (Depending on conditions of weather)		

Coverage

- 3 m²/ kg- 175 µ DFT/Coat (depending on surface conditions).

Package

- **TRI-ROAD MARKING EP 270** is supplied in Group (A+B): 4Kg, 16 kg.

Storage conditions

- Store the material in a cool, dry and covered place.
- Temperature should not exceed 35 °C.
- Do not expose the pails to direct sunlight and keep away from all sources of heat.

Shelf life

- 24 month stored in dry and cool place.

Cleaning

- All tools should be cleaned with **Tri- sol 20** immediately after use.



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Sustainability and environmental accountability

• TRI-CHEM's Environmental sustainability is the accountability to conserve natural resources and protect global ecosystems to support health and well-being for this a more positive approach is that accountability guides the actions of power-holders towards more socially and environmentally sustainable results.

Technical support

• For any technical support, please contact TRI-CHEM technical office or representatives.

Health and safety responsibility

- Workplace health and safety is all about sensibly managing risks to protect TRI-CHEM's workers and business.
- ISO 45001 is a systematic health and safety management is characterized by strong leadership involving managers, workers, suppliers, contractors and customers and also health and safety management is an essential part of the movement towards sustainable development.
- Spillages should be washed down immediately.
- PPE in accordance with the health and safety rules should be used during the materials application.
- For irritant effects of the non-cured material, avoid contact with skin and eyes during storage and application.

Institutional Excellence and quality performance

- Institutional excellence in TRI-CHEM refers to achieving high levels of performance, quality and effectiveness in all aspects of TRI-CHEM company's work, it involves a systematic and continuous effort to improve an organization's performance by applying best practices, innovative approaches and evidence-based strategies, institutional excellence spans various areas, such as training , research, innovation, community engagement, governance, management and sustainability, and involves setting high standards, measuring performance against these standards and continuously improving performance to meet or exceed these standards, excellence in TRI-CHEM also includes a culture of continuous improvement and learning, where everyone in the organization is committed to achieving the organization's goals, working together to find solutions to challenges and opportunities, and requires a collaborative approach that includes all stakeholders.
- All products originating from TRI-CHEM facility are manufactured under a quality management system independently certified to conform the requirements of the quality standards (ISO 9001:2015).

Disclaimer

- While TRI-CHEM guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control.
- TRI-CHEM is recommended to verify with TRI-CHEM that the product is suitable for the intended use, and that this data sheet version is the latest one.
- TRI-CHEM may modify it without prior notice and technical characteristics are listed for guidance only.
- Any specification, recommendation or information mentioned in this product data sheet is (to TRI-CHEM's best knowledge) true and reliable.
- However, because TRI-CHEM has no influence on the application method of these products and the care taken, the company cannot accept any liability arising from the use of its products. TRI-CHEM's warranty is therefore limited to the quality of the materials supplied which are guaranteed against defective materials.