

TRI-PRIME 1001 F

Epoxy wall & floor primer for cold and freezing area.

Description

TRI-PRIME 1001 F is a two component, low viscosity epoxy primer, based on modified epoxy resin, curing agent and high selective additives, to give high quality primer before application top coat of epoxy or polyurethane on the concrete surface ,where give a good elasticity, Adhesion, durable coating for cold and freezing areaS that exposed to higher temperature changes.



Standard compliance

- BS 8204-6
- ASTM D4541

Typical uses

TRI-PRIME 1001 F is specially used as:

- Primer for epoxy and polyurethane flooring coat for cold and freezing area that exposed to high temperature changes.
- Primer for joint sealant.
- Sealing for hairlines cracks
- cold storage rooms and freezing rooms up to -30°C.

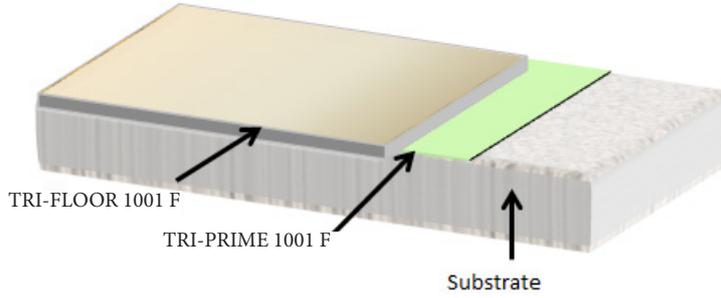
Advantages

- Give a smooth surface.
- Low viscosity so it easy to penetrate into concrete surface.
- Excellent adhesion to most surfaces.
- High coverage.

Technical properties @°25c

Color	Transparent
Solid Content (by weight)	90 ± 2 %
Density	1.05± 0.05 kg/L
Mixing ratio, A: B by weight	2:1
Pot life	45 min. (decreases at higher temperatures)
Initial setting time	24-36 hours
Final setting time	48-72 hours
Full hardness	7 days
Re-coating time	18 – 24 hours (depending on weather and DFT conditions)
Min. Application temperature	10° C

Recommended systems for TRI-PRIME 1001 F



System	Type of system	Tri-Chem's products	Theoretical DFT
System I	High build coating system	TRI-PRIME 1001 f	Depending on thickness
		TRI-Floor 1001F	
System II	Multi-layer resin screed flooring system	TRI-PRIME 1001 f	Depending on thickness
		TRI-Poxy Putty 1001F	
		TRI-Floor sl 1001F	
System III	Multi-layer resin screed flooring system	TRI-PRIME 1001 f	Depending on thickness
		TRI-Poxy Putty 1001F	
		TRI-Floor 1001F	

For more systems and methods of application, contact our technical office

Over coating and waiting

- Waiting time for the **TRI-PRIME 1001 F** coat before applying **TRI-PRIME 1001 F** :

Temperature	Minimum	Maximum
10°C	≈ 24 hours	≈ 72 hours
20 °C	≈ 12 hours	≈ 48 hours
30 °C	≈ 8 hours	≈ 24 hours

Precautions for applications : (according to BS 8204-6)

- A minimum of Grade RC25 concrete of BS 8500-2:2006 should be used.
- The surface tensile strength should exceed 1.5 N/mm.
- The surface moisture content should not exceed 4%.
- On the smooth surface (fair-face) pores should be treated using manual or mechanical methodology.
- The equipment used in this application includes brush, roller and spray (depending on thickness requirements).
- The concrete age should be 28 days at least.

Surface preparation

- Surface preparation of the base is the most vital aspect of flooring application system so the age of concrete is a very important factor in this process.
- After surface preparation, all loose debris and dust should be removed using vacuum equipment.
- It is essential that all surface contamination, e.g. oil, paint and rubber, should be removed and adequate mechanical preparation carried out to achieve a sound surface with cleanly exposed aggregate.
- Any weak or suspect concrete or repair patches should be removed. When mechanical preparation is complete, all dust and debris should be removed using vacuum equipment.

Mixing

- The entire contents of the part B should be poured into the part A container and the two materials mixed thoroughly for about 2 to 3 minutes.

Application process

- A primer that is appropriate for the nature and moisture content of the substrate should be selected.
- After mixing the components of the primer, it should be applied as soon as possible, within its working life, to the prepared substrate.
- The primer should be applied evenly with a stiff brush or "lamb's-wool" roller.
- **Note:** that in case of coating or self-leveling systems the primer should be cured as recommended time schedule for recoating but in case of mortar the primer should be tacky for optimal results.

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

Coverage

- 5-6 m² / kg - 100 microns D.F.T per layer.

Package

- **TRI-PRIME 1001 F** :- Group (A+B): 3Kg, 12 kg

Shelf life

- 24 months in good storage conditions .

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.

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.

**Factory & Head Office:**

6 October City - 4th Industrial Zone - Al Oula Industrial Zone Plot No.: 14
Tel.: (002) 011 195 48267 - Sales: (002) 010 007 88817 - (002) 011 184 87597
Technical Support Call : (002) 011 184 87880 - Email: sales@trichem-eg.com

www.trichem-eg.com

