T-POX 2500 M

TWO COMPONENT, SOLVENT FREE, EPOXY RESIN BASED –EPOXY MORTAR

Description of Product

T-POX 2500 EMM is a epoxy based, solvent free, 2 component screed, patching and repair mortar. The material can be used as a floor coating screed. Also partial repair or patching of industrial coatings is possible. The material is sand colored as standart and can be tinted with suitable pigments.

Fields of Application

- As a floor coating screed
- As a repair mortar for concrete surfaces like industrial floor, loading areas, dilatation joints etc
- As a bedding or underfilling mortar

Advantages

•Characteristics:

- Tough hard, resistant to impact
- High mechanical strength
- High abrasion resistance
- Physiological harmless after curing
- Solvent free
- Shrinkage free curing

Appearance

Part A (Epoxy Resin): Liquid – Brownish Transparent
Part B (Epoxy Hardener): Liquid – Pale Yellow

Packaging

Part A: 20,00 kg. net – Part B: 1,00 kg. net
Total: Part A+B: 21 kg. net – Part A+B: 23,25 kg. gross
Part A: 10kg. net – Part B: 0,5 kg. net
Total: Part A+B: 10,5kg. net – Part A+B: 12,05 kg. gross
*Barrels are available if requested.

Storage

Store in original sealed containers in a cool dry environment at temperatures between +5^{0}C and +30^{0}C. Do not put excessive loads on top of the products, which would damage the packaging.

Shelf Life

Minimum 12 months from date of production if stored in original unopened containers. Once opened, product should be consumed within one week as it is stored under appropriate storage conditions.

Chemical Structure

Part A : Epoxy Resin Part B: Epoxy Hardener

Technical Specifications

All technical values were calculated based on +23^{0}C and 50% relative humidity. Temperature and humidity changes would change technical values.

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T-POX2500 M Technical Data

Density	Mixed Resin: 1.85 -1,90kg/liter (± %3)
Compressive Strength	28 days: > 60-70 N/mm² (ASTM D695-10)
Tensile strength	(28 days) EN 196-1 28,0 N / mm2² (ASTM D790)
Adherence (concrete surface)	(14 days) 4,0 N / mm2
Abrasion Strength	7 days : 40 mg (± %3) (CS 10/1200/1200) (ASTM D4060-14)
Duration of Use After Mixing	40-60 minutes
Application temperature	min. + 5 0 C
Touch Dryness	8-10 hour / 23ºC
Total Curing Time	First after 24 hour, final after 7 days
Color	yellow sand
Aplication Format	trowel

Preparation of Substrate
Surfaces must be clean, sound and dry. Dust, oil, grease, old coatings, laitance, efflorence, rust, curing compounds, waxes, form oil and similar contaminations should be cleaned or removed prior to application. Surfaces must be prepared by mechanical means e.g. Blastrac shot blasting. Minimum requirements • Free of cement laitance, dust, oil, fat and other contaminants • Open textured, absorbent surface • Pull of strength min 1,5 N/mm2 • Concrete residual moisture max. 4%
Do not apply on concrete surfaces with rising damp conditions or take appropriate measures before application.

Application Conditions
During the application, ambient temperature should be ≥+5^{0}C. Relative Air Humidity should not exceed 80% and the substrate temperature should be between +5^{0}C and +30^{0}C. Substrate humidity should be maximum 4%. Substrate temperature shouldn't be less than +8^{0}C and must be at least +3^{0}C above the current dew point temperature.

Mixing
Condition material to room temperature. Premix A and B components. Add B component to A component and mix until uniform in color. Transfer mixture to clean container and mix again for at least 1 minute. Mixing should be done with low speed drill and mixing paddle.

Application Procedure
Whilst the primer is still tacky, spread TPOX-2500 M Mortar evenly and trowel down firmly with a trowel or spatula. Clean the trowel or spatula regularly with Thinner No.1 to prevent mortar sticking to the trowel. Prior to, during and after the application the temperature of the substrate must be at least +3°C above the current dew point temperature.

Cleaning of Tools
Clean all tools and application equipment with thinner immediately after use. Hardened/cured material can only be mechanically removed.

Coverage

Purpose of Use	Product	Consumption
Mortar Coating / Repair Mortar	1 unit T-POX 2500+10 unit aggregate	2.00kg/m²/mm

* Consumption increases as the viscosity gets higher at lower temperature.

Health and Safety Information
The following protective measures should be taken when working with the material: Wear safety gloves, goggles and protective clothing. Because of irritation, effects of the uncured material, components should not come in contact with the skin or eyes. In cases of contact, the affected area should be washed with plenty of water and soap. If swallowed, seek medical attention immediately. Do not drink or eat at the application site.

Product Liability
Momentum is just responsible for the quality of the Momentum labelled products. All the data referred herein are gathered as a result of practical and scientific studies. Momentum cannot be legally obligated or responsible for any damage unless correct product is used accurately in suitable areas and under right conditions.

Legal Notes
All the information and guidelines given in this technical sheet was formed and developed through the experience in the laboratories of Momentum, and was systematically collected by our field engineers. "Momentum" has the right to make changes in the product where necessary, without notice. The information given above is valid for the product from the date of publication.It is the user's responsibility to verify the accuracy of the information. The product should be used based on the technical information form for there commended purpose. It is the responsibility of the users to implement all measures for the fulfilment of the specified requirements.The data in the technical information form is designed to give descriptions of the product performance, under specific test conditions.An important factor in product performance is the variables that may occur in the initial process which should be used as a general guide to the user. Any unauthorised use of this product not covered in the written guidelines, Momentum will not be held legally responsible.It is always the responsibility of the user to take all necessary precautions regarding specific requirements of the law set out in localand national legislation. Follow the rules of the safety information provided in the Safety Data Sheet regarding operating procedure ofthe product, protective equipment, storage, fire and first aid etc. Conditions regarding the use of this product after its end date has nowarranty. We can not accept responsibility for products past their expiry date. Responsibility can not be accepted.Please contact the Technical Service department for more detailed information about the