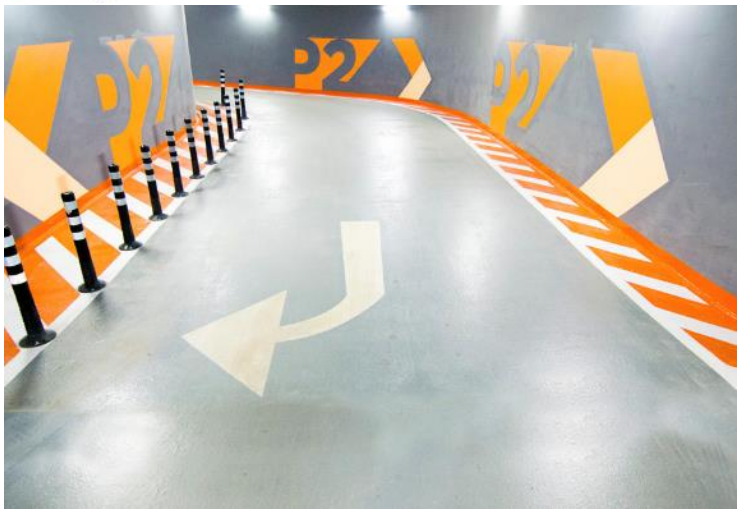
momentum
Chemical and Construction Materials

T-POX 3300

TWO COMPONENT, SOLVENT FREE, EPOXY RESIN BASED FLOOR AND WALL PAINT



Description of Product

T-POX 3300, is a solvent free, two-part epoxy resin based floor and wall paint and coating.

Fields of Application

- On concrete and cement based mineral surfaces
- Normal up to medium heavy wear e.g. storage and assembly halls, maintenance workshops, garages, loading ramps
- Pedestrian walkways, parking lots and power plants
- Hospitals, laboratories, operating rooms, and in hygienic areas such as food and laundry facilities
- Water tank, drinking water tanks

Advantages

- High bond strength on moist surfaces
- Solvent free
- Easy application
- Hygienic and easy to clean
- Resistant to mechanical loads, abrasion and chemicals

Appearance

Mix (Part A +Part B): Ral colors

*Differences in color may occur under the influence of direct sunlight. This does not affect the physical and chemical resistance of the coatings.

Packaging
Part A: 17 kg. net – Part B: 3 kg. net
Total: Part A+B: 20 kg. net – Part A+B: 22.55 kg. gross
*Barrels are available if requested.

Storage
Store in original sealed containers in a cool dry environment at temperatures between +5°C and +30°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°C and 50% relative humidity. Temperature and humidity changes would change technical values.

T-POX 3300 Technical Data

Density	Mixed Resin: 1.40-1.50 kg/liter (± %3)
Viscosity	Mixed Resin: 100-300 mPa.s
Shore D Hardness	7 days: 75-80 (ASTM D2240-05)
Compressive Strength	28 days: > 50 N/mm² (ASTM D695-10)
Flexural Strength	7 days: > 30 N/mm² (ASTM D695-10)
Bond Strength	7 days : > 3 N/mm2² (Concrete) (ASTM D7234)
Abrasion Strength	7 days : 65 mg (± %3) (CS 10/1000/1000) (ASTM D4060 – 14)
Duration of Use After Mixing	30-40 minutes
Consumption	0,200-0,300 kg/m² for wall (3 layer) 0,500-0,600 kg/m2 for flor (2 layer)
Powder Dryness	1-2 hour / 23ºC
Touch Dryness	5-7 hour / 23ºC
Acceptence Dryness	24 hour /23ºC
Total Curing Time	7 days
Aplication Format	Roll,Bruch

Preparation of Substrate
Concrete substrates must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 2,5 N/mm². The residual moisture content of the substrate must not exceed 4%, the substrate temperature should remain a minimum of +8°C and the temperature of the substrate must be at least +3°C above the current dew point temperature.
The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. Oil-contaminated substrates must first be pre-cleaned with an emulsifying cleaning detergent in accordance with the supplier's instructions. Finally, the concrete or cement screed surface is cleaned using high-pressure water jetting. Excess water is removed from the surface by wet and dry vacuum cleaner.
Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve a profiled open textured surface.
The surface should be vacuumed by industrial vacuum cleaners to remove dust. If in doubt of the surface, apply a test

area first. Should not be applied to wet or frozen surfaces and surfaces with high humidity.
Before applying T-POX 3300, the substrates should be primed with appropriate Momentum materials.

Application Conditions
During the application, ambient temperature should be between +10°C and +30°C. Relative Air Humidity should not exceed 80% and the substrate temperature should be between +10°C and +30°C. Substrate humidity should be maximum 4%.
Substrate temperature shouldn't be less than +8°C and must be at least +3°C above the current dew point temperature.

Mixing
Make sure that the product temperatures are between +10°C and +30°C before starting the mixing procedure. Prior to mixing, stir part A and B separately with a mechanical drill and paddle at a very low speed. Add component B gradually into component A and mix till you reach a homogeneous consistency (Approximately 3 minutes).
Pour the contents into a clean container and mix for another couple minutes. Please avoid mixing on high speed and do not add any solvent, etc. into the mixture during the application procedure.

Application Procedure
Avoid application under excessive heat or wind, rain and/or when the ambient and/or substrate temperature is below +10°C or above +30°C. In extremely cold conditions, heaters should be used to increase the ambient and the workability of the product.
After the mixing procedure, T-POX 3300 can be applied to a surface, which is already primed with appropriated Momentum primer, with short pile roller or airless spray equipment. If spray equipment used, use of preventive health and safety equipment is required. Make sure that a continuous, pore free coat covers the substrate.
Two coats of application should be done and waiting time between coats should not be more than 24 hours. If this time is exceeded, the surface must be roughened again before the second coat.
For exact color matching, ensure the T-POX 3300 in each area is applied from the same control batch numbers.
If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO_2 and H_2O water vapor, which may adversely affect the finish. For heating use only electric powered warm air blower system.
Mixed product should be applied in max. 30-40 minutes in about +20°C. The product would be completely cured in minimum 7 days to reach its maximum mechanical and chemical resistance.
Reaction times of resin based systems depend on ambient and substrate temperatures as well as relative humidity. Under lower temperatures reaction times are longer which increases pot life, coating interval and working time. High temperatures increase chemical reactions and the above mentioned time decreases accordingly.
After application, the material should be protected from direct contact with water for a minimum of 24 hours. Within this period, contact with water can cause a surface carbonation and/or surface tackiness, both of which must be removed. In such cases, overall coating should be removed from the floor and renewed.
To maintain the appearance of the floor after application, T-POX 3300 must have all spillages removed immediately and must be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc. using suitable detergents and waxes.
Epoxy and polyurethane flooring systems, should be performed by expert contractors.

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

Coverage
Depending on the surface quality and absorbency, T-POX 3300 A + B mixture consumption is approximately
0,200-0,300 kg/m² for wall (3 layer)
0,500-0,600 kg/m2 for flor (2 layer)

* Coverage 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. Keep out of reach of children.

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.

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