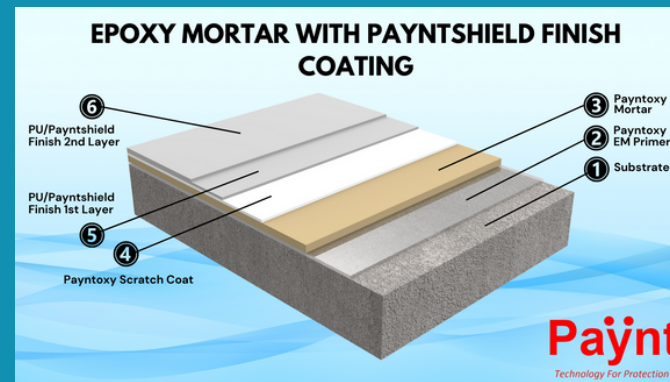# Paynt
Technology For Protection

- **FLOORING SYSTEM**

PAYNTOXY MORTAR WITH PAYNTSHIELD FINISH COATING

PAYNTOXY MORTAR WITH PAYNTSHIELD FINISH COATING, in the realm of high-performance flooring systems, Payntoxy mortar with Payntshield finish coating is a state-of-the-art option. This flooring perfectly blends the durable qualities of epoxy mortar with the further advantage of ultraviolet (UV) protection, all while being engineered to withstand the most extreme environments. The end product is a surface that is extremely durable to prolonged UV exposure in addition to withstanding high foot traffic, chemical exposure, and impact. Payntoxy mortar with Payntshield finish coating is perfect for both indoor and outdoor applications since it offers a long-lasting, easily maintained, and aesthetically pleasing surface that doesn't deteriorate or discolour from sunshine. This flooring solution is ideal for places that require top-notch durability, beauty, and endurance, whether it is utilised in commercial spaces, residential areas, or industrial buildings.

EPOXY MORTAR WITH PAYNTSHIELD FINISH COATING

- 6 PU/Payntshield Finish 2nd Layer
- 5 PU/Payntshield Finish 1st Layer
- 4 Payntoxy Scratch Coat
- 3 Payntoxy Mortar
- 2 Payntoxy EM Primer
- 1 Substrate

ADVANTAGES

- Low odour and free of solvents
- Seamless and hygienic finish when sealed
- Strong resistance to impact.
- Minimal upkeep
- Strictly for traffic
- Excellent resistance to chemicals

Substrate requirement and preparation

The minimum compressive strength of substrate concrete, also known as screed, shall be 25 N/mm², and the minimum adhesive pull-off strength should be 1.5 N/mm² (concrete failure). To obtain an open textured surface and eliminate cement laitance, concrete substrates must be mechanically prepared using abrasive blast cleaning or scarifying equipment. Holes and cracks need to be appropriately filled in. Grinding can be used to get rid of high areas and rough contaminations. Before applying the product, all surfaces should be well cleaned of any loose or friable material and free of laitance, oil, dust, paint residue, algae, and other contaminants.

Mixing

Transfer PART A & PART B (mixed) to a forced action mixer, such as a crete angle, and mix with aggregate until uniform. Pour all of Part B into the Part A container. Use a suitable electrical stirrer (with a 750 watt high power mixer) to thoroughly mix both liquid parts for one minute.

Application

1. Apply *Payntoxy EM Primer,* which can be used as a primer to effectively seal the substrate porosity with the right roller.
2. *Payntoxy EM Primer* cures in 8 to 14 hours on average, after which another layer of *Payntoxy EM Primer* can only be applied.
3. Use a steel blade trowel or power float to finish applying the mixed *Pantoxy Mortar* within an hour of priming, or while the priming coat is still tacky. Spread the screed using a screed box onto the primer floor to the required thickness, compact, and finish.
4. Once the *Payntoxy Mortar* has completely cured, proceed to apply a *Payntoxy Scratch Coat* to seal the surface of the mortar.
5. Following the full curing of the *Payntoxy Scratch Coat,* proceed with the application of two coats of *Payntshield* finish as the final layer.

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SEALING

To seal the porous surface, apply one or two coats of *Payntoxy Scratch Coat* using a scratch coat technique.

CLEANING OF TOOLS

Use *Paynthinner* to clean all tools and application equipment before the product solidifies.

Maintenance and care after cure

We advise routine cleaning and maintenance to extend the lifespan of epoxy floors. Use an alkaline detergent and a single- or double-headed rotary scrubber dryer to clean the floor on a regular basis.

Further Information

The Safety Data Sheet contains information on using this product safely, including warnings and precautions. to be advised to wear appropriate clothing and protective eyewear. It is advisable to employ a portable exhaust fan if the application area or site does not have adequate ventilation.

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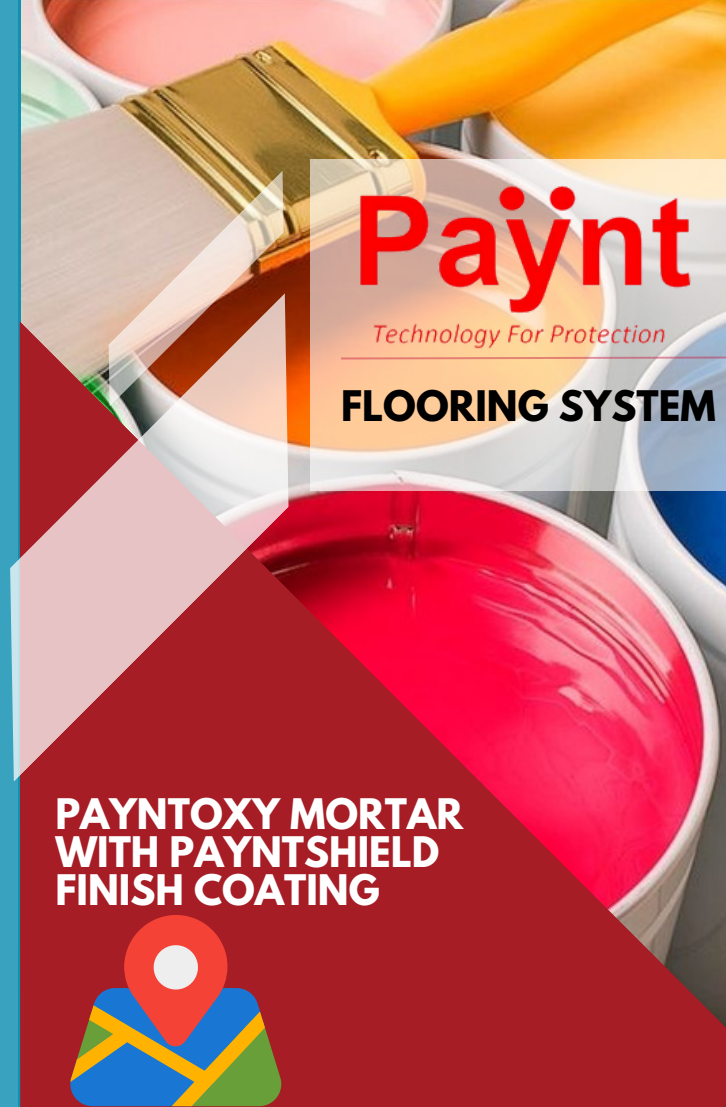
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FLOORING SYSTEM

PAYNTOXY MORTAR WITH PAYNTSHIELD FINISH COATING

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