

Paynt

Technology For Protection

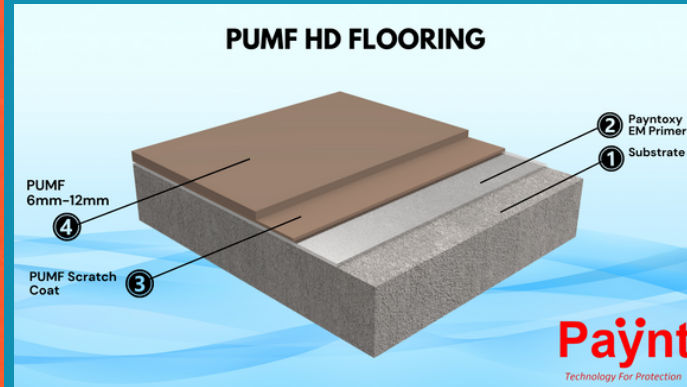
• FLOORING SYSTEM



PUMF

PUMF HD is a self-smoothing four-component thermal shock polyurethane mortar screed applied with a thickness range of 6 to 12 mm. It gives a smooth and seamless, with a matt surface, excellent mechanical qualities, strong chemical resistance, anti-slip qualities, and resilience to heat and cold. With a wide temperature range of 40°C to 150°C, PUMF HD exhibits good abrasion resistance, strong chemical resistances against alkalis, acids, and organic solvents, as well as high mechanical and impact resistance. It also resists fungi, mildew, and bacteria growth. It has an odorless, non-cytotoxic response and anti-slip properties for safety on oily floors.

Typical Uses Area: GMP, HYGIENIC, HACCP industrial floors, for wet food processing, beverage, seafood, meat, kitchen, cold storage, freezer (cool room), palm oil processing and wet packaging plant.



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To get rid of electrostatic discharge from people, cars, and trolleys

Non-cytotoxic response following cure.



Great resilience to impact and mechanics



Odorless and solvent-free



Excellent resilience to impacts and mechanics



Strong chemical resistance to organic solvents, acids, and alkalis



1



Substrate requirement and preparation

Minimum adhesive pull-off strength of 1.5N/mm² and minimum compressive strength of 25N/mm² are required of substrate concrete or screed. Cleanliness and the absence of contaminants such as oil, dust, loose particles, paint residue, chemicals, algae, and other impurities are essential for the substrate. The substrate needs to be pressure-free from ground water and dry. Apply PUMF HD with a minimum thickness of 8 mm or more if the substrate moisture content was higher than 8%. The substrate needs to be cleaned up by vacuum shot blasting and grinding away any tough contaminants. It is important to appropriately repair hollows and cracks. Create 5 mm deep by 5 mm broad anchoring grooves at all edges, bay joints, columns, entrances, and drains.

2

TEMPERATURE CONDITIONS OF APPLICATIONS

- 1.If the surface to be coated is less than 5% above the dew point and the relative humidity is higher than 90%, do not apply.
- 2.Temperatures below 5°C and above 40°C should not be applied.

CLEANING OF TOOLS

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

Maintenance and care after cure

To extend the lifespan of polyurethane floors, we advise performing routine cleaning and maintenance. Use an alkaline detergent and a single- or double-headed rotary scrubber dryer.

Further Information

For notice and safety measures please see the request for Safety Data Sheet for details on how to handle this product safely. Advised to wear appropriate protective gear, such as eyewear and clothes. A portable exhaust fan should be used if the application area or site does not have adequate ventilation.

Mixing

Part A Polyol should be shaken before being poured into the barrel. Next, add all of Part B and Part A to the clean mixing barrel and mix for 5 seconds with a 750-watt high-power mixer. After that, add only the pigmented Part C mix for 5 seconds, and finally add only the Part D powder. Mix for at least 20 seconds to achieve a homogenous consistency.

Application

- 1.To properly seal the substrate porosity, apply Payntoxy EM Primer, Payntoxy WB Primer (+/- 150 μ thick), or PUMF as a primer for the scratch coat (+/- 1 mm thick).
- 2.After the Payntoxy EM Primer, Payntoxy WB Primer or PUMF scratch coat has cured, which is typically within 14 to 24 hours, only PUMF can be layered onto the Payntoxy EM Primer, Payntoxy WB Primer or PUMF Scratch Coat.
- 3.PUMF HD must be used during the pot life (working period). Using a screed box, distribute the composite matrix to the desired thickness. Then, roll the surface evenly with a spike roller to get an even and smooth surface texture.

3

4

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For more inquiry, please contact:

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The Paynt come with a warranty against faulty components. There is no guarantee of an application result or liability claims due to variations in substrate and operating conditions. Users must prepare for an exam based on how they want to use it.