Paynt

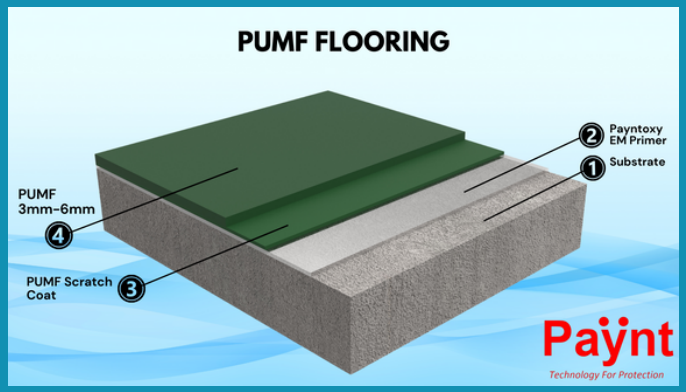
Technology For Protection

- **FLOORING SYSTEM**

PUMF HD

PUMF is a three-component, self-smoothing PUMF thermal shock polyurethane floor coating is applied at a thickness of 3 to 6 mm. High chemical, high mechanical, heat, and slide resistance combined with a matt finish; no seams. With a broad temperature range of -5°C to 100°C, PUMF exhibits good abrasion resistance, strong chemical resistances against alkalis, acids, organic solvents, and high mechanical and impact resistance. It is also odorless and non-cytotoxic.

Typical Uses Area: GMP, HYGIENIC, HACCP industrial floors in the food industry, beverage, cold storage, bakeries processing, kitchen, pharmaceutical industrial, warehouses, logistic areas, palm oil processing and packaging plant.



ADVANTAGES

- Available for service at temperature range of -40°C to 150°C
- Steaming clean, hygienic hot water
- Great resilience to impact and mechanics
- Oily floor, anti-slip properties for safety
- Excellent resistance to abrasion, robust wear
- Prevent the growth of bacteria, mildew, and fungi

Substrate requirement and preparation

The minimum compressive strength of the substrate concrete or screed should be 25 N/mm², and the minimum adhesive pull-off strength should be 1.5 N/mm². The substrate needs to be free of contaminants such as paint residue, chemicals, dust, oil, and algae, and it should also be clean and devoid of laitance. The substrate needs to be devoid of groundwater pressure and dry. Apply 4-5 mm thick Payntoxy Mortar (compressive strength 80N/mm2) as a moisture barrier if the substrate moisture content was higher than 7%. The substrate needs to be vacuum shot blasted and any rough contaminations ground away. Hollows and cracks need to be appropriately filled in. For anchoring purposes, prepare grooves of 3 mm in width and 3 mm in depth at all edges, bay joints, columns, entrances, and drains.

Mixing

Once the Part A Polyol has been shaken and the barrel has been thoroughly cleaned, add all of the Part B and Part A and mix for five seconds with a 750-watt high-power mixer. Only then should the pigmented Part C powder be added, and it should be mixed for at least ten minutes to achieve a homogenous consistency.

Application

1. To thoroughly seal the substrate porosity, apply Payntoxy EM Primer or Payntoxy WB Primer (+/- 150 µ thick) as a primer.
2. After the Payntoxy EM Primer or Payntoxy WB Primer coat has dried, usually in 14 to 24 hours, only then is it possible to apply PUMF Topping on top of it.
3. PUMF must be applied during the pot life (working period). The composite matrix must then be spread out using a pin rake or notched squeegee and adjusted to the proper depth or required thickness. Using a spike roller, expel the air or bubble right away.

TEMPERATURE CONDITIONS OF APPLICATIONS

1. If the relative humidity is higher than 90% and the surface to be coated is less than 5% above the dew point, do not apply.
2. Avoid using temperatures that are higher than 40°C and lower than 5°C.

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 flooring, we advise performing routine cleaning and maintenance using an alkaline detergent and a single- or double-headed rotary scrubber drier.

Further Information

Warning and precautions information relating to the safe handling of this product should be found in Safety Data Sheet. To be advised to put on suitable clothing and eye-ware for protection purpose. The application area/site must be in good ventilation otherwise advisable to use a portable exhaust fan.

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