

PC Floor HF



High performance slight textured PU flooring system

Product Overview

PC Floor HF is a single layer, seamless PU resin flooring system with a slight matt textured finish. It has high abrasion resistance, impact resistance, withstands mild and strong chemicals and microbiologically inert and withstands high temperature fluids' contact.

Areas of applications

1. All drug, pharma, food and beverage production areas
2. Cold storage warehouses, chillers and storage facilities.
3. Chemical handling and processing areas
4. Diaries, poultries, milk production areas, fish and meat processing areas, etc.

Properties

1. PC Floor HF resistance to corrosive and harsh chemicals and microbiologically inert.
2. It makes the floor maintenance easy.
3. It is monolithic (forms minimum joints).
4. It gives better durability.
5. It can be applied on 7 days old concrete and 2 days old polymer screeds.
6. It has a short curing period: 8 hours for foot traffic and 48 hours for heavy wheel traffic.

Guidelines for Usage

PC Floor HF is designed for application over densified /polished concrete surfaces.

1. Surface preparation: The concrete substrate must be clean, free from dust, oil, grease, other laitance and standing water. Remove any

foreign materials that may prevent adhesion of PC Floor HF. The floor should have sufficient strength which can be checked by a pull-off test (the result should be >1.5 MPa). To ensure maximum bond, grooves must be cut into the perimeter of the subfloor, typically 8mm deep and 8mm wide. The grooves should be approximately 100mm from the wall and adjacent to doorways etc. Including any finishing edges and day joints. Grooves should surround areas not exceeding $8m^2$.

2. Mixing: Mix parts A, D and B in a clean container using a slow speed blender for 1 minute. Then slowly add part C to the mixing container and again the entire mixture has to be mixed for 2 minutes more to get a uniform mixture.

3. Application: PC Floor HF shall be applied as a scratch coat of 1mm thickness which will act as a primer. After priming, apply the product covering the desired floor area.

Coverage area

The desired coverage area is $1.95-2.02$ kg/m^2 when laid at 1mm thickness.

Packages available

PC Floor HF is available in 28 kg packs.

Part A - 2.920 kg

Part B - 2.990 kg

Part C - 21.910 kg

Part D - 0.180 kg

Storage and Shelf life

PC Floor HF has 12 months shelf life when stored in original, dry and unopened packs.

Safety Measures

1. Clean tools and equipment immediately after the use.

2. Use proper safety equipment while mixing e.g. use of safety coats, safety goggles, gloves etc. Any eye contamination should be washed immediately with clean water and immediate medical attention sought. For further information related to application and safety precautions, please contact Mcrete technical representative.

Technical data

Aspect	Available in different colors as per client specifications.
Mixed Density	1.98 to 2.02 g/cc
Compressive strength	55-58 N/mm ²
Flexural strength	15 N/mm ²
Tensile strength	6.5 N/mm ²
Water absorption	0 ml
Floor service temperatures	6 mm → - 15 °C to 80 °C 4 mm → - 35 °C to 110 °C 3 mm → - 35 °C to 130 °C
UV resistance	PC Floor HF will results in yellowing of the floor which is most apparent in light colours under UV exposure. But it will not have any effect on the performance of the product.

For further clarifications Please contact on below address

Pinjala Chemicals Pvt. Ltd.

Plot No. 172/A, Road No. 24, Phase 2
Mallapur IDA, Hyderabad-500076,

Email: info@mcrete.com, Website: www.mcrete.com

Ph no: +919985898569, 040-27158569

Pinjala Chemicals Inc.

30273 Eastridge Drive, Spring,
Texas 77386, USA

Email: info.us@mcrete.com, Website: www.mcrete.com

Ph no: 001-3136861237