

BENEFITS:

- Excellent adhesion to concrete,
- Very low shrinkage contributing to good dimension stability,
- Excellent chemical resistant and mechanical strength, both tensile and compressive,
- Resistance to oils, fuel, and many chemicals.
- Abrasion resistance.

PRODUCT DESCRIPTION:

In surfaces which are exposed to harsh chemicals on daily basis, **FloorCEM® NPU-10** is designed to withstand such challenges. Chemical resistance flooring is specially formulated to withstand, acids, alkalis and solvents without degrading. **FloorCEM® NPU-10** combines the properties of Epoxy and Polyurethane to achieve highest level of chemical resistance along with flexibility.

USES:

FloorCEM® NPU-10 is used to protect floor and wall in Chemical and petrochemical industries, pharmaceutical and healthcare facilities, food and beverage processing areas, warehouses, laboratories etc.

PROPERTIES:

- Placing without joints in layers of 0.3 to 1 mm.
- High compressive strength
- Resistant to wear and abrasion
- Waterproof
- Crack-free
- Resistant against gasoline, diesel oil, mineral oil, freeze-thaw cycles and deicing salts.
- Shock resistant
- No dust formation

Pot Life at 30 °C: 30-60 minutes

Light traffic use: 72 hours

Compressive strength: > 40 N/mm²

Tensile strength: > 10 N/mm²

Bond Strength: >2.6 N/mm²

Elongation at break: > 4%

Foot Traffic: after 24 hrs.

PRODUCT SYSTEM:

1. Primer: **FloorPrime EP**
2. Basecoat: **FloorSCREED EP5300, FloorCEM EPU-2 and FloorCEM EPU-5**
3. Top Finish: **FloorCEM NPU-10**
4. Colours: **RealTint-Epoxy**

APPLICATION DATA:

PREPARATION OF SUBSTRATE:

The substrate must be sound clean, and free of oil. Sandblasting is most effective. If, however, this not possible, vigorous wire-brushing or roughening with coarse emery paper may be resorted to. Scarifying method should be another method for surface profile preparation. Degreasing with a solvent like acetone, benzene or toluene is then carried out.

APPLICATION:

The **FloorsPrime EP** is first applied on concrete surfaces as a primer.

FloorCEM® NPU-10: Mixing of the component A and component B is carried out with an improvised mechanical mixer by using a drill motor, with suitable stirrer attached in place of drill bit. Please refer separate '**Application Guideline for FloorCEM® Hybrid Floorings**'. Apply material at 0.3 to 1 mm thickness.

For desired finishes, choose from suitable product range Floorkrete product range.

STORAGE AND HANDLING:

The material, when stored in their original containers and not exposed to undue heat or humidity as in outdoor open sheds, will have a minimum shelf life of 6 months. Store in dry, frost-free conditions at moderate temperatures not greater than 25 °C. As far as possible, direct contact mixed material with the skin should be avoided as they might cause irritation on sensitive skins. It is advisable to wash off the material immediately if it does come in contact with the skin.

PACKAGING AND COVERAGE:

Pack Size: 20 kg composite pack, Approximate coverage: 6 ft²/Kg for 1mm thickness

CLEANING:

All tools should be cleaned with solvent immediately after use.

STORAGE:

Store in dry, frost-free conditions at moderate temperatures not greater than 25 °C.

WARRANTY

Multichem warrants **FloorCEM® NPU-10** products to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of **FloorCEM® NPU-10** Products.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor authorizes any person to assume for Multichem any liability in connection with the sale and installation of **FloorCEM® NPU-10** products.

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