
UNICRETE

UNICRETE is a water proof flooring material for polyurethane-type concrete surface used by mixing Part 1, Part 2 and powder. It is excellent in protecting concrete surface and water-proof effect and durability from external shocks or chemical substances. It is an innovative product designed to endure chemical corrosion, serious friction or frequent shock.

CHARACTERISTICS

- It is excellent in its resistance against acid, alkali, salinity and solvents.
- It is two times as strong as concrete by combining urethane and cement.
- Being a solvent-free agent, it is a environment-friendly product to take the worker's safety into account.
- It is free from separation or dropping due to strong impact.
- It is excellent in its workability and economical efficiency.
- It is excellent in smoothing with its good self-leveling function.

RECOMMENDED USE

- A floor of concrete-type parking lot
- A floor of a factory with chemical devices.
- A floor of a food factory
- A floor of a pulp and paper factory
- Floors of a department store or other big stores like a Wall-mart where a lot of people come and go.

PHYSICAL PROPERTIES

- | | |
|--------------------------------|---|
| - Colors | Red, green, gray and other colors |
| - Volume percent of solids (%) | Over 99 |
| - Dry paint film | 3~5mm (at a time) |
| - Theoretical painting amount | 9~9.5kg/m ²
(on the basis of 5mm) |
| - Gloss | Semi-gloss |
| - Finishing Coat | Possible to coat acryl-urethane and Epoxy |

MIXING RATIO

- Part A, Part B and Part C(powder) should be mixed by the weight ratio (packing units).

* It is impossible to use the products which pass the time available to use. So do not mix much of them at a time.

PACKING UNIT

- | | |
|----------------------------|--------|
| - Part A (Main material) | 5.0kg |
| - Part B (Hardening agent) | 5.0kg |
| - Part C (Powder) | 18.0kg |

* Packing amount can be changed by special order.

STORAGE CONDITIONS

- Keep it in the room.
- Storage temperature: Below 43°C
- Humidity: 0~100% (in the sealed status)
- Make sure that the remaining paint after use should be sealed.

SHELF LIFE

- 6 months at the normal temperature
- Part 1 can have settlement if kept for a long time. Please stir it in a stirrer before use.

PRECAUTIONS

- When painting in the room, make sure to change air and wear the protecting gloves and mask.
- If you work at the high direct rays of the sun, it can cause the paint to swell. Please avoid painting it at this condition.
- Make sure to keep the ratio of the prescribed mixture. If this ratio is not correct, it can cause the paint film not to harden well and wrinkle.
- Make sure that the remaining paint after use should be sealed and kept out of the children in the dark place.

* This document is exact, but it can be changed for quality improvement without notice. For more detailed information, contact to Technical Center of our company.

☞ This document contains purchasing information as well as a construction manual based on international standards ISO/IEC GUIDE 14(product and service information for customers) and ISO/ IEC GUIDE 37(product instruction manual for customers)

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SCOPE

This Direction for use applies to **UNICRETE**.

This is a standard guide. If there are anything different from the specification at the workplace, please follow the specification.

WORKING CONDITION

- Painting Tools: Brush, roller, trowel
- Time Available to Use 30 minutes after its mixture (28°C)
 - * If temperature is high, its time available to use gets short.Do not use it if it passes the time available to use.
- Drying Time(on the basis of 3mm)
 - Touch dryness 6 hours (28°C)
 - Hard dryness 12 hours (28°C)
- Paint it at 3°C higher than the dew point.
- Its recommended temperature is 5~30°C, and the maximum moisture content of non-conductor is 10%.
- If moisture contacts the surface of the paint film at its dry status after painting, its color and hardening can be deteriorated.
- If temperature drops sharply after painting at winter time, it can cause its surface to have cracks. So please be careful at winter time.
- If it is out of the recommended painting conditions, do not paint it.
- When moisture is over 85% and temperature is 30°C, do not paint it.

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