

ULTRATECT®CA+3

As a calcium supplement for concrete for lithium silicate impregnants
As a reinforcing steel rust prevention agent

Concrete that has undergone efflorescence and alkaline aggregate reaction (ASR) due to age deterioration or harsh environments is in a state where the calcium content is deficient.

By applying the silicate surface impregnation materials Ultratect HP, Ultratect WS and/or Ultratect Li after applying Ultratect CA+3, the calcium silicate hydrate (C-S-H) layer is re-formed and the concrete structure is densified again. Contributes to improving the alkalinity of neutralized concrete.

In addition, since Ultratect CA+3 contains nitrite, it can provide rust prevention effects to reinforcing bars inside concrete.



The photo above shows a phenomenon in which the internal reinforcing steel has rusted due to alkaline aggregate reaction (ASR) occurring and becoming neutralized. In such cases, we recommend using Ultratect CA+3 and Ultratect Li together.



Concrete that has efflorescence is also accompanied by cracks. This is a phenomenon where the reinforcing steel rusts. Under these circumstances, we recommend using Ultratect CA+3 and Ultratect Li together.

Working procedure for Ultratect CA+3 and Ultratect Li

- ① Check the temperature (5°C or higher and 45°C or lower).
- ② Repair large cracks (0.3mm or more) and jumpers, etc. Be sure to repair any through cracks thoroughly in advance. For repair of through cracks, please use "Ultratect CR" after applying and filling Ultratect CA+3.
- ③ Use an alkaline cleaner, high pressure washer, brush, etc. to remove mold, algae, and other dirt from the construction surface. *If you use an acidic detergent, be sure to properly neutralize it with an alkaline detergent.
- ④ Apply Ultratect CA+3 evenly using a roller, brush, sprayer, etc. Apply thoroughly until saturated. Apply the second coat after the first coat is complete and after the surface is dry.
Approximate amount of application: 250 to 300 ml/ m²
- ⑤ Ultratect Li/Ultratect HP/Ultratect WS can be applied after 24 hours. Apply Ultratect Li evenly using a roller, brush, or sprayer. Apply thoroughly until saturated. Apply the second coat after the first coat is complete and after the surface is dry.

Ultratect CA+3 Packing: 4 ℓ , 18 ℓ (specific gravity: 1.1-1.15)

Manufacturer: MICC TEC
WEB: ultratect.net