

Innovative and reliable method of waterproofing concrete without forming a membrane
Penetrating Anti-deterioration water-proof agent

ULTRATECT® HP

ULTRATECT HP is an innovative and reliable method of waterproofing and stopping water leakage of concrete. It impregnates deeply for filling up the pores and capillaries inside the concrete.

It has the following characteristics:

- 1) Effect of suppressing crack recurrence in existing concrete structures. Please use the crack repair material ,ULTRATECT CR, in combination for repairing bigger cracks.
- 2) Improving the strength of deteriorated existing concrete structures
- 3) Water leakage prevention effect. However, we recommend Ultratect WS, which is especially formulated for water leakage stoppage). Do use ULTRATECT CR in combination.
- 4) It is surprisingly easy to apply by using roller, brush etc.
- 5) It has primer effects. So it is recommended to apply before painting other paints.
- 6) Drains excess water and excess moisture inside the concrete.



Applied with a roller



Applied on the floorboards.

Test results (Crack permeability test)

According to the test method of Japan Society of Civil Engineers (JSCE-K 572 6.11)

(1) Not applied with ULTRATECT HP	8338.4 g
(2) Applied with ULTRATECT HP :	880.2g
Suppression rate:	89%

Other ULTRATECT® penetrating anti-deterioration products

- (1) Curing material for concrete: **ULTRATECT®SIC**
- (2) Freeze-thaw deterioration inhibitor: **ULTRATECT®LI**
- (3) Water leakage stop agent: **ULTRATECT®WS. Please combine ULTRATECT®CR together when repairing cracks.**
- (4) Tile joint waterproofing, salt damage resistance, neutralization control, algae prevention, stain resistance, etc. **ULTRATECT®WR is tested in accordance with the test method of Japan Society of Civil Engineers (JSCE). Grade A (Highest Rank).**

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Working procedures

Preparation

Check the temperature (between 5°C and 45°C)

Curing

Glass, aluminum, decorative tiles, gutters, handrails, automobiles, etc. *If it adheres to glass parts, it may cause fogging. Ultra-Tect HP contains strong alkaline ingredients, so please be careful not to get it on metal parts.

Base treatment

Please repair large cracks (0.3mm or more) and junkers, etc. Be sure to thoroughly repair penetrating cracks in advance.

Wash/clean

Use an alkaline cleaner, high-pressure washer, and a brush to remove mold, algae, and other dirt from the construction surface.

**If using acidic detergent, be sure to properly neutralize it with an alkaline detergent.*

Application

Apply ULTRATECT HP 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.

Coating amount

Application target	Coating amount per square meter		Number of applications
Concrete, mortar	5 m ² /ℓ	200cc/m ²	2
Porous concrete *	3.33-2m ² /ℓ	300-500cc/m ²	2~4

* The usage amount above is just a guideline. Please conduct a test run to confirm the required usage amount before starting application

* In the case of porous concrete, the amount of application will be larger than that of regular concrete, so be sure to check the required amount of application in advance.

Caution

Points to note before application.

- If you use an acidic detergent, be sure to neutralize it before applying ULTRATECT HP.
- If there is a release agent or fluorine coating on the concrete surface, remove it in advance using a remover or high-pressure washing.
- When performing application work outdoors, avoid rain (snow) or when rain (snow) is expected immediately after application.
- The required amount of application varies depending on the condition of the concrete. Before starting construction, please conduct a test run to check the saturation condition (the upper limit of the amount that ULTRATECT HP can penetrate).
- Drying time varies depending on the condition of the substrate and structure.
- When using the sprayer outdoors, please be careful as the liquid may scatter. Also, take care to prevent it from adhering to metal or glass parts.

Precautions when using

- Usable environment is between +5°C and 45°C.
- Shake the container well before use.

Precautions during construction and storage

- Please be careful about ventilation during construction.
- Wear safety glasses, a protective mask, and work gloves during construction.
- Do not use or store in places with fire or high-temperature substances.
- After use, close the lid tightly and store in a dark place with little temperature change. Do not store in a place below 0°C.
- Please keep out of reach of children.
- If it gets on your skin, wash it off immediately with soap, etc.

*Please see the safety data sheet for additional details.

Manufacturer

MICC TEC
www.ultratect.net