

Chip treatment Procedure

Damage repair using cement-cased repair materials

Method

1 Before chip treatment

How the surface looks before getting treated.



2 Applying primer

Remove dust and dregs, and apply cement primer.



3 Filling with repair material

Knead Repair Resin to a slightly hard consistency, then apply with a trowel.



4 Cover the chip

Since it's a material to be cut and shaped, apply a little higher than the surface, and wait for it to harden.

*It should start to harden within 2-3 minutes in the summer.



5 Shaping

Use a trowel or a scraper to cut a little at a time.

*Start cutting before the material dries thoroughly.



6 Drying and hardening

Once Repair Resin is thoroughly dry, apply C Repair Lining if needed.

*C Repair Lining isn't applied in this photo.



7 Spraying

Spray a small amount of C Repair Color to see the color. Wait until dry, then add as per need.



8 Finished look

The process is completed when it looks natural and matches its surroundings. Add patterns if needed.

*Patterns aren't added in this photo.



What to prepare

- Trowel(1~2mm)
- Metal trowel
- Bowl
- Scraper
- Waterproof sandpaper #600
- Wire brush
- Small bucket
- Brush
- Wiping cloth
- Wagner FLEXIO
- Air compressor
- Air hose
- Air gun
- Pattern Pad
- Gas torch
- Electric blower
- Grinder
- Level Grinding Wheel #36/#80

Materials to prepare

- Repair Resin
- C Repair Color
- Tone Color
- Cement primer (Royal W21 diluted about 20 times with water, etc.)

*Depends on situation : C Repair Lining

Notes

- All Repair Resin products are pre-mixed and only use water for kneading. Please note that the curing time and color may differ if any adhesives are mixed.
- Once it's mixed with water, please use it all. **Re-watering or kneading once curing has started** may cause cracks and poor adhesion.
- Because it's cement-based, it is subject to weathering and moisture absorption. Please store with care and use as soon as possible. (The 5kg inner bag is heat-sealed to improve shelf life. Please use the rubber band attached for sealing any leftover products.)
- When repairing, remove the excess unevenness of the surface beforehand with a hammer, chisel, scraper, etc., and clean it. If the mold releasing agent remains on the surface, it'll peel off easily. Use a brush to scrub the surface and moisten it with water for the best results.
- Please be careful when handling a scraper or a metal trowel, as they may cut your hand.
- **Please read the instructions and notes** of C Repair Lining and C Repair Color.
- After adding the Mixing Liquid into C Repair Color, please use it all within 24 hours.
- Cover and protect the area where you don't wish to spray paint beforehand.
- If it adheres to any unwanted area, wipe it off with a wet wiping cloth.
- Please make sure to mix C Repair Color thoroughly before use. If it's not fully mixed, it may cause unevenness.
- Spray C Repair Color **little at a time in thin layers**. If you spray too thickly at once, it may drop, and the finished look will not look as good. Please repeat the process of "Spray → Dry → Spray" until the surface is fully covered.
- When adding patterns, tap lightly and inconsistently according to the surrounding patterns.



コンクリートの補修屋さん

Concrete Repair

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