

V cut treatment Procedure

Method

1 Before crack treatment

How the surface looks before getting treated.



2 V cut with a grinder

Cut in a V shape along the crack.



3 Resin-based repair material treatment

Use a wire brush or an electric blower to completely remove dust and apply a resin primer. Fill with plastic mortar about 1mm higher than the surface to prevent the air from entering.



4 Surface treatment

Wait for about 2 hours to let it dry thoroughly. After hardening, grind with a #36 grindstone to make it the same level as the surface.



5 Repair material treatment

After cleaning, apply the cement primer first, then apply Repair Resin. Apply them as you are filling small dents.



6 Scraping

When Repair Resin is semi-dry, scrape off the excess material with a scraper. Scrub with sandpaper as well to make sure there are no scraps.



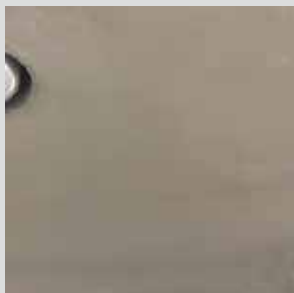
7 Lining material treatment

Apply the cement primer, then apply C Repair Lining on top of that. Allow it to dry, then scrape off the border with a scraper, and blend the surface with #600 sandpaper.



8 Spraying

Spray a small amount of C Repair Color, let it dry, and check the color. Repeat the process until the color matches the surroundings.



9 Adding patterns

Scrub the surface with #600 sandpaper. Add patterns to match surrounding



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
- Grindstone #16,#18
- Crack chaser diamond disc saw blade for v cut

Materials to prepare

- Repair Resin
- C Repair Lining
- C Repair Color
- Tone Color
- Cement primer (Royal W21 diluted about 20 times with water, etc.)
- Resin repair material (Alpron HM, etc.)
- Resin primer (Alpron W301, etc.)

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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