

Project**Repairing Badly Pitted / Chipped Concrete Surfaces****Required Tools & Materials**

- QUIKRETE® Sand Mix
- QUIKRETE® Concrete & Asphalt Cleaner
- QUIKRETE® Concrete Bonding Adhesive
- QUIKRETE® Concrete Acrylic Fortifier
- QUIKRETE® Concrete Mix (for pouring depths over 2")
- Pickax
- Shovel
- Hammer or half-hatchet
- Saw Level
- Finishing trowel
- Bricklayer's trowel
- Edger Broom
- Cold chisel
- Ball-peen hammer
- Sledgehammer
- Safety goggles
- Forming lumber and stakes
- Wheelbarrow
- Curing materials

Use QUIKRETE® Sand Mix to resurface damaged concrete to depths up to 2". For patches less than 1" thick, replace part of the mixing water with QUIKRETE® Concrete Acrylic Fortifier. If the topping is from 1" to 2" thick, first coat the damaged area with QUIKRETE® Concrete Bonding Adhesive, and mix the Sand Mix with water only.

For depths greater than 2", use QUIKRETE® Concrete Mix to build up the damaged area and then cap with a 2" topping coat of Sand Mix.

Step by Step

Site Preparation

1. Dig a small trench along the edge of the damaged surface so that forms can be set in place level with the old concrete surface.



2. Remove all broken and loose concrete, dirt, dust and plant remains to form a sound base for the new topping. Use QUIKRETE® Concrete & Asphalt Cleaner to remove dirt or grease stains.



3. Set and stake forms against the old sidewalk or slab. Backfill against the forms to ensure sufficient support.



4. Use a level to make sure that the forms are set at the correct height and that there is adequate slope drainage.



Making the Repair

1. If damage in some areas is deeper than 2", use QUIKRETE®

Concrete Mix to fill these low spots to within 1" or so of final grade. This reduces the amount of QUIKRETE® Sand Mix required for the job. Begin by coating these low spots with QUIKRETE® Concrete Bonding Adhesive.



2. Wait until the bonding adhesive dries.

3. Mix a sufficient amount of QUIKRETE® Concrete Mix and fill in the low spots, especially along form edges.



4. The final 1" topping is made of QUIKRETE® Sand Mix. When this layer is less than 1", add QUIKRETE® Concrete Acrylic Fortifier as part of the Sand Mix liquid. Note: For Sand Mix toppings thicker than 1", but less than 2", do not use Acrylic Fortifier. Instead, apply QUIKRETE® Concrete Bonding Adhesive. In this job, the concrete mix patch separates the adhesive and fortified sand mix.



5. Mix the QUIKRETE® Sand Mix until a plastic-like consistency is obtained.

6. Trowel the Sand Mix onto the damaged area. Use heavy trowel pressure to work the material onto the surface, then build up material to proper depth.



7. Trowel the surface smooth using a steel finishing trowel. Edge using a concrete edger if desired.



8. To assure a nonskid surface apply a broom finish. Always pull the broom toward you, use light pressure, and do not overlap the strokes.



9. Cure the new surface with QUIKRETE® Acrylic Concrete Cure & Seal. Apply after finishing when surface sheen has disappeared and

new surface has hardened.

For Best Results

- Avoid using patching material during extremely hot or cold weather.
- Break up badly broken concrete with a sledgehammer and make a new pour.
- Use some of the broken pieces of the old concrete to take up space in the new pour.
- Install steel reinforcement rods where extra support is needed.