



Quick-Repair 15 Concrete Repair Material Technical Data

1. Product Name:

Quick-Repair 15

2. Manufacturer:

CSS Polymers, Inc.
2659 Freedom Pkwy., Ste 294
Cumming, GA 30041
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3. Product Description:

Quick-Repair 15 is very rapid set two-component hybrid urethane. Quick-Repair 15's ultra-low viscosity allows for deep penetration into concrete and a thorough wetting of selected aggregate to form a high-strength permanent concrete repair.

4. Uses:

Quick-Repair 15, combined with selected aggregate is used for patching spalls & reconstruction of damaged joints and large cracks in concrete. Use neat for hairline cracks and small spalls or nail holes. May also be used as an anchoring mortar.

5. Limitations:

Quick-Repair 15 may change color if subjected to UV rays from certain types of lighting or sunlight. Not intended for repair where concrete is subject to structural or ground movement.

6. Installation:

Preparation: ALL SURFACES MUST BE CLEAN AND DRY. Cracks & spalls should be free of dirt, oils, dust, laitance and loose materials. A dry diamond blade or twisted wire wheel attached to an electric hand grinder is recommended for preparing cracks and creating a clean surface for bonding. Clean spalls back to sound concrete with a chisel or light chipper. SQUARE CUTTING OF THE REPAIR AREA IS NOT NECESSARY.

The temperatures of the material and the concrete surfaces will affect cure time. Keep material at room temperature (60° to 80° F) prior to application. Warmer temperatures will decrease and colder temperatures will increase cure times.

Application: Assemble cartridge according to directions. Remember to attach flow restrictor. Holding the application gun upward, place cartridge set into gun. Slowly squeeze trigger to bleed-off air and start material flow into static mixer. Direct mixer into waste container and squeeze trigger to start mixing process. DO NOT POINT MIXER UPWARD AFTER MATERIAL IS FLOWING. This may cause material to flow back into the tubes and cause clogging. Pre-wet repair area with Quick-Repair 15 without sand. Fill with 30-40 grit manufactured sand and additional material to grade. Be sure to saturate all of the sand completely. Additional sand may be added to the repair as necessary. Saturated sand may be moved into place with a margin trowel or scraper.

Work with one small section at a time. Do not stop flow of material for more than 90 seconds. If material sets inside mixer, remove cartridge from gun and replace mixer. Fill all repair areas to grade. When material cures (turns gray), repair may be "cleaned up" by sanding or buffing with a diamond pad attached to an electric hand grinder.

7. Color & Packaging

Quick-Repair 15 color is medium gray. Quick-Repair 15 is packaged in 21 fl oz cartridges. 2 gallon & 10 gallon kits are available on request.

8. Technical Information:

Solids 98% V.O.C (mixed) 5.5 g/l
Shelf Life 1 year Mix Ratio 1:1
Hardness ASTM D2240 Shore D74
Compressive Strength (with sand) > 4250 psi
Tensile ASTM D412 > 4000 psi
Elongation ASTM D412 < 7 %
Bond Strength ASTM 882-99 > 1500 psi
Tack Free 10 mins & Full Traffic 15 mins @ 72°F

9. Advantages:

Feather Edge Repairs—No Square Cutting Needed
Minimal Prep & Down Time
Meets USDA Requirements
Rapid Application & Set Times
Cold Application To -35° F
Excellent Abrasion Resistance
High Impact Resistance
Chemical Resistant
No Maintenance Required

10. Coverage:

One 21 oz. cartridge with sand yields approx 122 CI. One gallon yields approx 770 CI.

11. Safety:

This product is for use by professional applicators only. Wear protective clothing. Read MSDS before using this product. DOT/Flash Point: Non-flammable. Liquid Classification: Not regulated.

12. Warranty:

CSS Polymers, Inc. will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.

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