



# ACC 101 Quick Patch

Modified Polymer Concrete Repair

### Product Description -

Advacoat ACC 101 Quick Patch is a specially formulated polymer rapid repair product. In its basic low viscosity formulation ACC 101 will penetrate concrete substrates. In its highly aggregate loaded high viscosity configuration, ACC 101 will act as a repair mortar and parging compound that will fill substrate cracks, gouges, holes and spalls. This product is an extremely quick drying patching material, designed for easy and quick concrete repair on surfaces receiving coating applications.

### Uses -

ACC 101 Quick Patch may be used in conjunction with various aggregates to create a patching mortar. ACC 101 has the ability to penetrate concrete surfaces to create a tight bond to the substrate itself.

Using the ACC 101 with aggregate as a mortar, gives the ability to patch substrate cracks, gouges, holes, spalls and any type of damage to concrete surfaces. Once the patching mortar is dry, about 40 minutes, diamond grinding the patched area will result in a smooth, feathered finish that will barely be noticeable as a patch. Using a blend of aggregate sizes, will create a tight matrix material that closely resembles concrete.

### Advantages -

- Low Viscosity to Penetrate Substrate
- 40 Minutes Cure Time
- Excellent Adhesion to Concrete
- Cures from -30°F
- Aggregate Mix Creates Tight Matrix Polymer Concrete
- Diamond Grinding Feathers Edges
- Pourous For Coating Adehesion
- Ability to Mix Small or Large Batches
- Fast Turn Around
- Compatible With Any Coatings

### Ideal Applications -

- Cold Storage Areas
- Freezer Applications
- Repairing Substrate Cracks
- Repairing Spalled Concrete
- Repairing Bug Holes
- Restructure Saw Cuts
- Parking Deck Repairs
- Fast Surface Leveling
- Creating Slopes on Concrete
- Leveling 'Bird Baths' on Concrete Substrates

### Limitations-

Requires dry substrate. ACC 101 Quick Patch requires a pourous substrate for optimum bond. Using ACC 101 without mixing aggregate, will produce a hard and brittle surface, that is not ideal for coating bond. When using ACC 101 as a patching material for coatings applications, aggregate must be used to create a pourous surface for coating adhesion. Mixing large batches of ACC 101 will increase the set time of the material, only mix what product can be used within a 3 - 4 minute window.

### Coverage Rates - Roll On as Primer

Theoretical Square Feet Per Gallon

Mils	5	10	15	20	30
	320	160	120	80	60

Note: 1604 mil inches per gallon. Totally dependent on substrate texture and condition.

### Mixing-

When mixing by hand, pour equal amounts of 'A' and 'B' component into a container and mix for 8-10 seconds. Mix only as much product as can be placed in three minutes or less independently prior to batch mixing.

### Mixing With Aggregate-

- 1 cubic foot = 1,728 inches or 7.48 gallons by volume. There are 231 cubic inches in 1 gallon.  
 $1,728 / 231 = 7.48$  gallons
- 2 parts aggregate to 1 part ACC 101 = preferred type mix
- 3 parts aggregate to 1 part ACC 101 = soupy type mix
- 4 parts aggregate to 1 part ACC 101 = scoop type mix
- Never mix more than 4 parts aggregate to 1 part ACC 101

### Colors -

Material is clear with a amber tint. When mixed ACC 101 dries without aggregate, it becomes white.

### Packaging -

- 2 Gallon Kit: 1 gallon of 'A' side and 1 gallon of 'B' side.

### Surface Inspection-

This product requires a dry substrate. Concrete substrates should be clean, dry and free of grease, oil, paint, curing agents or any contaminants that may inhibit proper adhesion of coating.. Concrete should be cured at least 28 days before applying coating system.

Proper testing procedures should be practiced in regards to alkalinity and moisture vapor transmission. A pH reading should be taken to ensure concrete is neutral, and has a reading between 5 and 9 using a pH paper test. Any testing can only give a snapshot in time of results, meaning future readings may be different. Long term results may vary.

Moisture vapor transmission is a major cause of coating failure. Using a calcium chloride test to find the vapor emission rate of the concrete substrate gives a reading for the 72 hour period. Follow procedures of calcium chloride test manufacturer for accurate results. Readings of 3.5 lbs/1000 square feet during a 72 hour period or less are acceptable for applying coatings. Higher results should receive a moisture mitigation system. Contact Advantage Chemical Coatings for more details. Testing procedures are the responsibility of the coatings applicator.

### Clean Up -

Cured product may be disposed of without restriction. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

### Surface Preparation -

This product requires a dry substrate. Any moisture vapor transmission test revealing over 3.5 pounds per 1000 feet/24 Hours requires a moisture barrier system installed prior to using this product.

**Concrete Substrate:** A profile of CSP 2 is recommended for most system applications using ACC 75. Due to the low viscosity, this product is self priming. Ensure the substrate is free of contaminants, and the pores are open to allow ACC 75 to penetrate the surface. Shot blasting is not required for proper adhesion. As some coating systems using ACC 75 are thin mil, shot blasting may produce excessive texture to substrate which may show through the coating. Broadcast systems may benefit from CSP 3, but are not required.

### Technical Services -

Sales and Customer Support 1-877-830-2628, or contact your local sales representative or distributor. Visit [www.Advacoat.com](http://www.Advacoat.com) for any relative information on products.

**Warranty** - ADVACOAT 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.

### Shelf Life -

One year, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F.

### Physical Properties -

Cured Film Properties	Test Method	Typical Value
Shore Hardness	ASTM D2240	71D
Elongation	ASTM D638	6%
Tensile Strength, psi	ASTM D638	4,500 Psi
Compressive Strength, neat	ASTM D638	3,800
Compressive Strength, sand filled	ASTM D695	4,450
Shrinkage	ASTM D695	None
Exudation		None
Bond Strength, psi, concrete	ASTM D4541	Concrete Failure
Viscosity, cps, neat, 77°F		25
VOC, g/l		2.3
Working Time (77°F)		2-3 Minutes, 5-6 Minutes with Aggregate
Tack Free		20 Minutes
Walk On		30 Minutes
Return to Use		45 Minutes