

DESCRIPTION Miraclebond 1350 is a multi-purpose, rapid cure, high strength epoxy bonding and repair adhesive system. It will bond almost any material together. Its specially formulated non-sag property is also perfect for overhead and vertical repairs.

PROPERTIES Gel Time: 8 minutes @ 75°F
Cure Time: 2 hours @ 75°F
Consistency: Non Sag Paste

| COLOR | |
|-----------|---------------|
| Part A | White |
| Part B | Dark Gray |
| Mixed | Concrete Gray |
| Mix Ratio | 1 : 1 |

GENERAL USES and APPLICATIONS

- ❖ Bonding fresh concrete to hardened concrete
- ❖ Bonding hardened concrete to hardened concrete
- ❖ A capping paste sealer around ports and cracks for crack injection process
- ❖ Non-sag patching material for cracks and small spalls. Great for overhead and vertical repair.
- ❖ Bonds to a multitude of substrates

ADVANTAGES and FEATURES

- ❖ Ideal bonding agent for materials including concrete, brick, wood, stone, block, metal and other substrates.
- ❖ Ceramic blend that has high strength and high modulus.
- ❖ 100% solids, solvent free system means low VOC content
- ❖ A moisture insensitive system and can be used on damp surfaces

PACKAGING of Miraclebond 1350

| Cartridge or Bulk | Part #'s |
|-------------------|-------------|
| 9 oz. cartridge | A9-MB1350HN |
| Quart Kit | B1Q-MB1350 |

AVAILABILITY ATC Miraclebond products are available through select distributors who can provide you with all your construction needs. Please contact ATC at (800) 892-1880 for a distributor near you.

WEBSITE www.ATC.ws

SHELF LIFE / STORAGE 24 month shelf life when stored in unopened containers in dry conditions and stored 40°F--95°F

| Miraclebond 1350 Technical Data | | | |
|-----------------------------------|---------|-------|----------|
| Properties | | ASTM | 75°F |
| Gel time 60 gm sample @ 75°F | minutes | C881 | 8 |
| Working Time (nozzle) | minutes | | 20 |
| Initial Cure Time- @ 75°F | hours | | 2 |
| Pot Life (bulk 1 gallon only) | | | n/a |
| Compressive Yield Strength - psi | 7 day | D695 | 8,000 |
| Bond Strength - psi | 2 day | C882 | 1,130 |
| Bond Strength - psi | 14 day | C882 | 1,690 |
| Consistency or Viscosity | | C881 | non-sag |
| Heat Deflection Temp | | D648 | 135°F |
| Linear Coefficient of Shrinkage % | cm / cm | D2566 | .004 |
| Volatile Organic Compounds (VOC) | mixed | | 79 g / l |

Miraclebond can be used to replace a pool tile. Apply adhesive to the dry tile and adhere to side wall or bottom surface of the pool. Hold in place for a few minutes. MB1350 is heavier than water and cannot be used to repair underwater cracks or spall.

LEED: Certificate is available upon request

Manufactured In The U.S.A.



byAdhesives Technology Corp.

450 East Copans Road ■ Pompano Beach, FL 33064 ■ (800) 892-1880 ■ Fax (800) 362-3320 ■ www.atc.ws

APPLICATION TEMPERATURE Substrate and ambient air temperature between 40°F and 100°F

CONDITION PRODUCT When the work environment or substrate falls below 70°F condition the product to 70-75°F prior to use. Cold product may become too thick, product that is too warm will react faster than normal.

COVERAGE The 9oz. cartridge will yield approximately 20 linear feet when drawing a ¼ x ¼ inch bead
The quart kit will yield approximately 1/3 sq. ft. at 1 inch depth.

CHEMICAL RESISTANCE A Chemical Resistance Chart for our Ultrabond, Miraclebond and Crackbond Epoxy products is available upon request. Contact a Technical Service Representative for details.

LIMITATIONS & WARNINGS

- ❖ Do not thin with solvents, as this will prevent cure

SPECIFICATION Bonding adhesive shall be a two component, 1:1 ratio, 100% solids epoxy system supplied in pre-measured containers. The adhesive material must have a minimum gel-time of 8 minutes, a minimum compressive strength of 8,000 psi (at 75°F.) Shelf life must be a minimum of 24 months. Adhesive shall be Miraclebond 1350 manufactured by Adhesives Technology Corp., Pompano Beach, Florida.

MPII MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS Use for spalls no deeper than 5/8" or no wider than 3" in diameter. Anything larger will result in high heat of reaction and will heave or crack. For larger spall repair, use slower cure formula Miraclebond 1450. For complete Installation Instructions for Miraclebond 1350 see MPII on our Website, www.atc.ws or call ATC for more information at 1-800-892-1880.

SURFACE PREPARATION Old concrete must be clean and profiled or textured. New concrete must be a minimum of 28 days old. All dirt, oil, debris, wax, grease or dust must be removed. Prepare the surface mechanically using a scarifier, sandblast, shotblast, bushhammer or other equipment that will give the surface profile needed for the application. A roughened surface is imperative to good adhesion.

CLEAN UP Clean tools and equipment with solvent such as xylene, toluene, MEK or WD-40.
Do not allow epoxy to harden on equipment.

SAFETY Please refer to the MSDS for Ultrabond Miraclebond 1350 published on our Website, www.atc.ws or call ATC for more information at 1-800-892-1880.

WARRANTY Adhesives Technology Corporation (ATC) warrants to the Buyer that this product is in good quality and conforms to the manufacturer's specifications in force on the date of manufacture and when used in accordance with the Installation Instructions and when stored as directed in the technical literature. Manufacturer cannot warrant or guarantee any particular method of use, performance or application under any particular condition and Buyer is responsible for determining the suitability of intended purpose and assumes all risks therein. ATC shall not be liable for any injury, loss, cost of labor or consequential damages either directly, indirectly or incidentally, arising out of the use or misuse of any product sold by ATC or another distributor. If the product is proven to be in nonconformance, the Buyers sole remedy shall be a refund of the purchase price or replacement of product.

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