

# R200 MMA BONDING AGENT

## TECHNICAL DATA SHEET



**R200 MMA Bonding Agent** is an additive formulated for exclusive use with Resinwerks MMA R100 Primer. This component is essential for enhancing the adhesion properties of Resinwerks R100 MMA Primer. Due to its reactivity, R100 must be added on-site and immediately prior to the addition of MMA BPO Catalyst powder hardener. R200 significantly reduces the shelf life of mixed primers and should not be pre-blended or stored.

### USES:

- » Heavy traffic industrial floors
- » High foot traffic areas
- » Manufacturing
- » Auto service drive lanes
- » Stadiums

### ADVANTAGES:

- » Rapid return to service
- » Superior impact & abrasion resistance
- » Cold climate installation
- » UV Stable
- » Repairable

### PACKAGING

**R200 Bonding Agent is available in the following kits:**

- » R200 Bonding Agent is packaged in 38 lb. pails and 400 lb. drums.
- » Please note that these products are sold by weight and not volume.

### SUGGESTED APPLICATION:

- » R200 should be used in conjunction with Resinwerks R100 MMA Primer. Refer to Resinwerks MMA Dosing chart for formula recipe and mix ratios.
- » Coverage should be approximately 100 square feet per gallon. Depending on the porosity of the concrete slab, coverage may vary from 80-120 Sq. ft. per gallon.
- » May be applied over existing MMA systems. Contact your Resinwerks technical representative for more information.

### ANCILLARY PRODUCTS:

- » Resinwerks R100 MMA Primer
- » Resinwerks BPO Catalyst

### GENERAL PRODUCT INFORMATION

<b>Color:</b>	Clear
<b>V.O.C.:</b>	48 g/l (when mixed with R100 primer)
<b>Pot-life:</b>	will not influence pot life
<b>Mix-Ratio:</b>	Mix with R100 Primer at a rate of 104 oz R100 to 24 oz of R200 Bonding Agent by Volume. Refer to dosing chart for BPO Additive Powder Catalyst Mix Ratio.
<b>Clean-up:</b>	Resinwerks MMA Cleaner
<b>Application Temp:</b>	15°F(9.5°C) - 90°F(32.2°C)
<b>Environment:</b>	For interior or exterior use

### SURFACE PREPARATION

Ensure substrate to be coated is clean, dry, and in sound condition. All laitance, curing compounds, concrete hardeners, and other surface contaminants must be removed. Prepare concrete in accordance with ASTM D 4259-83. Mechanical Grinding or Shot Blasting is recommended to achieve a surface profile of ICRI CSP 2-4. Surface to be coated must be completely porous and free of excessive dust & contaminants.

### MOISTURE IN CONCRETE

Concrete slabs should be tested prior to application for elevated moisture vapor emission levels. Resinwerks recommends ASTM F2170-19 standard for determining relative humidity in concrete slabs using RH probes. For slabs exhibiting elevated moisture levels in excess of 80% RH, please contact your Resinwerks technical representative.

### DE-GREASING OF CONTAMINATED SUBSTRATES

R100 should not be applied over contaminated surfaces. For previously contaminated surfaces, areas to be coated should be heavily sanded or ground. All dust and remaining contaminants should be completely removed prior to coating.

### MATERIAL RECIPE: 128 oz (1-Gallon)

#### R100 MMA PRIMER

104 oz by volume

#### R200 BONDING AGENT

24 oz by volume

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### TREATMENT OF JOINTS & CRACKS

Prior to installation of any Resinwerks primer, all joints, cracks and other substrate irregularities must be addressed. For more information on specific joint treatment procedures, please contact your Resinwerks technical services representative.

### BOND TEST

A bond test shall be conducted to confirm the adequacy of surface preparation and the substrate's readiness prior to full primer application. The bond strength must exceed the tensile strength of the substrate. A valid test result will display fractured aggregate across the entire pull area. The presence of only laitance or minimal surface material indicates insufficient preparation, and additional mechanical profiling is required.

### MIXING INSTRUCTIONS:

- » Please reference Resinwerks MMA Dosing chart for all mixing ratios and formulas.
- » R200 Bonding Agent should be used in conjunction with R100 primer. Please reference Resinwerks MMA Dosing chart for actual formula recipes.

### APPLICATION INSTRUCTIONS

- » Resinwerks R100 MMA primer modified with R200 MMA Bonding Agent should be applied over mechanically prepared concrete substrates at a rate of approximately 100 sq. ft. per gallon
- » Actual coverage may vary between 80–120 sq. ft. per gallon, depending on surface profile and porosity.
- » Always follow the mix ratios outlined in the appropriate dosing chart. R200 must be added to the MMA primer on-site, immediately prior to mixing with RT-BPO-50 powder hardener.
- » Primers are typically applied neat (without pigments or fillers) using a roller or brush, ensuring the material penetrates the substrate while forming a continuous, uniform film. On highly porous substrates or where coverage appears inconsistent, a second coat may be required. Repeat the process as needed until a uniform, sealed surface is achieved.
- » Refer to the specific primer product data sheet for additional guidelines and curing details.

### IMPORTANT HANDLING NOTES

- » Whenever possible, use the entire contents of the R200 container. Leaving excessive head space in partially used containers introduces air, which can significantly reduce product shelf life.

### LIMITATIONS

- » Do not apply over concrete experiencing ASR
- » Do not apply over epoxy or polyaspartic coatings
- » Do not apply to new slabs < 28-days old
- » Do not apply to concrete < 3500 PSI compression strength
- » Do not apply product when ambient or room temperature is below 40°F (4.4°C) or over 90°F(32.2°C) or if the relative ambient humidity is above 85%.
- » DEW POINT: Do not apply when dew point is within 5°F of the ambient temperature.

### CAUTION

R200 MMA Bonding Agent is a flammable liquid in its uncured form. Eliminate all sources of ignition prior to use. Smoking, open flames, and sparks are strictly prohibited in and around the application area. Applicators must wear appropriate personal protective equipment (PPE), including chemical-resistant gloves, safety goggles, and protective clothing. If airborne concentrations exceed permissible exposure limits, use NIOSH-approved organic vapor respirators. All personnel must review the Safety Data Sheet (SDS) and the hazard information provided in the application binder to ensure proper hazard awareness and compliance.

### NOTES

Thoroughly read all Material Safety Data Sheets prior to use and maintain copies on job-site at all times.

Mock-ups and field test areas are strongly recommended in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc. to ensure system performance as specified for the intended use, and to determine approval of the coating system. Resinwerks does not guarantee compatibility or adhesion with products not manufactured by Resinwerks.

Variability in job site conditions (including but not limited to surface preparation, sunlight, humidity, dew point, temperature, etc.) during application of products may lead to fish-eyes, blistering, pinholes, wrinkling, or out-gassing of air in the concrete and are not product defects.

### TECHNICAL ASSISTANCE

PHONE: 720-484-5160

WEB: [www.resinwerks.com](http://www.resinwerks.com)