

R300 MMA INTERMEDIATE COAT

TECHNICAL DATA SHEET



RW 300 Intermediate Coat is a 100% reactive, methyl methacrylate (MMA)-based acrylic resin formulated for use as the body coat in Resinwerks MMA flooring systems. This medium viscosity, fast-curing resin is typically ready for overcoating within one hour and provides excellent durability and mechanical strength. System thicknesses range from 1/16" to 1/4", depending on application method and project performance requirements.

RW 300 Intermediate Coat is primarily used in self-leveling MMA flooring systems but may also be applied as part of a roll-on application. In either configuration, R300 can be broadcast with colored quartz or decorative flakes to enhance aesthetics and surface texture.

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

R300 MMA Intermediate Coat is available in the following kits:

- » R300 is packaged in 38 lb. pails and 400 lb. drums.
- » MMA BPO Catalyst is available in 10 lb. containers and 55 lb. boxes.
- » Please note that these products are sold by weight and not volume.

SUGGESTED APPLICATION:

- » Applied over Resinwerks R100 MMA Primer as well as R250 MMA Flexible Membrane. Refer to Resinwerks MMA Dosing chart for formula recipe and mix ratios.
- » For self-leveling applications, RW 300 Intermediate Coat is combined with Resinwerks MMA self-leveling filler and pigment to achieve a coverage rate of approximately 36–40 sq. ft. per mix at 1/8" thickness when applied with a gauge rake. For roll-on systems, RW 300 may be applied neat or pigmented, delivering a typical coverage rate of 60–80 sq. ft. per gallon when using a roller or notched squeegee..
- » OK for application directly over existing MMA systems. Contact your Resinwerks technical representative for more information.

ANCILLARY PRODUCTS:

- » Resinwerks BPO Catalyst
- » Resinwerks SL Filler

GENERAL PRODUCT INFORMATION

Color:	Clear
Solids Volume:	100%
V.O.C.:	75 g/l
Pot-life:	18 Minutes @ 72° F
Mix-Ratio:	Refer to dosing chart
Cure Schedule:	72° F @ 50% R.H. 45-60 minutes
Clean-up:	Resinwerks MMA Cleaner
Application Temp:	15°F(9.5°C) - 90°F(32.2°C)
Environment:	For interior or exterior use

GENERAL PRODUCT PERFORMANCE

TEST TYPE	TEST METHOD	RESULT
Hardness	ASTM D-2240 Shore D	85
Taber Abrasion	ASTM-D-4060	16 mg loss
Flexural Strength	ASTM D-790	3,700 psi
Tensile Strength	ASTM D 638	1950
Compressive Strength	ASTM C109	8,000 PSI
Flexibility 1/4" cylindrical mandrel	ASTMD 522	Pass
Coefficient of Thermal Expansion	(ASTM D696, in./in./°F): 0.000035	0.000019

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SURFACE PREPARATION

R300 is intended to be incorporated as part of a system. No additional surface preparation is necessary when RW 300 is applied directly over the previous coat within the recommended re-coat window. For applications outside this timeframe, please consult your Resinwerks representative for guidance.

MIXING INSTRUCTIONS:

- » Please reference Resinwerks MMA Dosing chart for all mixing ratios and formulas.
- » R300 Intermediate Coat may be used in conjunction with Resinwerks MMA SL filler. Please reference Resinwerks MMA Dosing chart for actual formula recipes and filler load rates.

APPLICATION INSTRUCTIONS

- » R300 Intermediate Coat is applied neat using a roller or brush direct to properly prepared concrete.
- » Take special care to ensure that material is applied at an even rate for a consistent film. Multiple coats may be required on older, more porous substrates to help ensure an even primer finish.

LIMITATIONS

- » Do not apply over epoxy or polyaspartic coatings
- » Do not apply product when ambient or room temperature is below 15°F or over 100°F
- » DEW POINT: Do not apply when dew point is within 5°F of the ambient temperature.

CAUTION

R300 MMA Intermediate Coat 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