



# ROSALIA - PROFILE CORRECTOR

## MICROTOPPING / OVERLAY SYSTEM

### TECHNICAL DATA & APPLICATION INSTRUCTION

#### PRODUCT DESCRIPTION

Kingdom Products' **Rosalia Profile Corrector (coarse)** is a two component, high-performance cementitious microtopping intended for use as a base or build coat for the Impressionaire Floor & Wall System. **Rosalia Profile Corrector** can be applied in various standard and decorative applications including smooth, spray-down/knock-down or broomed finishes. Numerous different effects can be achieved with the **Rosalia** System line through various application methods, stains, dyes and pigmenting techniques. Use **Rosalia Profile Corrector, Fine Standard Build & Super Fine Crema** in sequence to achieve the desired floor profile.

#### BENEFITS/FEATURES

- Built In Skid Resistance
- Broomable
- Low Build
- Flexible
- Interior / Exterior
- Correct & restore shot blasted or spalled surface

#### RECOMMENDED APPLICATIONS

- Resurfacing driveways, sidewalks, garages, patios, shot blasted or spalled surfaces
- Spraydown/Knockdown
- Building Entrances & Steps
- Stencil Applications
- Pool Decks, Patios & Porches
- Resurfacing to cover repaired or discolored concrete

#### TECHNICAL INFORMATION

<p>Tensile Strength.....240 psi</p> <p>Working Time.....15-60 min (environ dependent)</p> <p>Drying/Recoat Time.....1 - 2 hours</p> <p>Foot Traffic.....12 - 24 hours</p> <p>Wheel Traffic.....24 hours</p> <p>Application Temp.....50°F - 85°F</p> <p>Rain Concern.....not if forecast within 24 hours</p> <p>Rain Concern (w/ color).....not if forecast within 48 hours</p> <p>Concrete Adhesion.....Excellent</p> <p>Freeze-Thaw Resistance.....Excellent</p>	<p><u>Compressive Strength ASTM C-109</u></p> <p>24 hours.....1,560 psi (10.8 mpa)</p> <p>7 days.....4,160 psi (28.7 mpa)</p> <p>28 Days.....5,370 psi (37.0 mpa)</p> <p><u>Flexural Strength ASTM C-348</u></p> <p>28 Days.....1,490 (10.3 mpa)</p> <p><u>Tensile Strength ASTM C-190</u></p> <p>28 Days.....240 psi (1.7 mpa)</p> <p>Wet Appearance.....Light Gray</p> <p>Dry Appearance.....White</p>
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*\*\*Please note that low air and/or concrete temperatures and/or relative humidity will extend drying times.*

#### APPROXIMATE COVERAGE RATES

Coverage rate will vary by the existing profile of the surface - On average each 50 lb bag will cover approximately:

- 150 to 160 sq ft at 1/16"
- 75 to 80 sq ft at 1/8"

#### SUBSTRATE PREPARATION

1. Concrete substrate must be clean and structurally sound.
2. Remove any sealers, paints, grease, oil, tars and mastics.
3. Mechanically prepare the surface to a surface profile of CSP 1 to CSP 3.
4. Repair & fill all surface imperfections. Cracks, gouges & spalled areas of substrate will telegraph through.
5. All freshly poured surfaces must be cured 30 days prior to the application of **Rosalia** products.
6. After cleaning and profiling the surface, a Moisture Vapor Emissions Test should be preformed.
7. All expansion and control joints must be honored and not filled during application of the **Rosalia Profile Corrector**.
8. Surface must now be primed. Prior to priming allow surface moisture (from cleaning) to evaporate thoroughly.
9. Apply primer liberally to substrate and allow to dry completely before installation of **Rosalia** MicroTopping.
10. Moisten previous coats with clean water to SSD (saturated surface dry) condition before application of next coat.

**PRIMING:** Prime surface with undiluted **UPA** (Universal Primer Activator) using a lint-free roller cover, mop, broom or sprayer. Primer should be worked into the surface to achieve a pinhole free, primed substrate. Allow primer to turn from a milky white color to clear before applying the **Rosalia Profile Corrector**. Should more than eight hours time elapse after priming, the substrate should be misted with a fine coat of **UPA** primer to re-wet the surface. Allow to tack up before applying the **Rosalia**.

**MIXING:** Add 1.6 gallons of undiluted UPA for one 50 lb. bag of **Rosalia Profile Corrector**. Always add the dry powder into the liquid & mix thoroughly scraping the sides of the mixing pail until all dry powder is completely dissolved. Mix to a uniform, lump-free consistency and apply to pre-primed substrate without delay. If adding integral colors, mix the liquid color into the **UPA**, blending completely and then add the dry powder **Rosalia Profile Corrector** to the pigmented liquid.

**APPLICATION:** The **Rosalia Profile Corrector** material can be applied with a steel concrete finishing trowel or with a magic trowel (the preferred, recommended method) depending on personal preference. To avoid discoloration of this white product, be sure to use the proper tools, i.e. plastic not steel. **Rosalia Profile Corrector** standard application temperatures should be between 50 - 80 degrees. Minimum application temperature is 45 degrees. Maximum application temperature is 90 degrees. Avoid applying **Rosalia Profile Corrector** in a dry windy environment. Apply the material thin, controlled applications. Do not dump full, mixed buckets of material onto the substrate. Avoid having to spread the **Rosalia** long distances across the floor. Trowel as you go, keeping a wet edge. Avoid leaving hard lines by varying the trowel direction. Normal application thickness is 1/16". Should there be excessive trowel lines, the surface can be screen sanded with a 80 to 100 grit sanding screen. Allow **Rosalia Profile Corrector** 2 to 6 hours drying time (depending on environmental factors) before screen sanding. The surface is now ready for additional coats of **Rosalia Standard Fine or Super Fine Crema** to achieve an ultra-smooth finish or to be stained with Olde World Stain, Acid Stain or sealed with the Kingdom Products water-based or solvent-based sealer of your choice. Epoxy coatings of all kinds may be applied over **Rosalia**. If a standard broom finish concrete restoration only is desired, broom finished immediately after a second coat of **Rosalia Profile Corrector** or consider using Kingdom Products' Top Cap or Top Cap-Smooth.

## STORAGE

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Do not subject Kingdom Products **Rosalia Profile Corrector** to moisture prior to use. Keep product in a cool dry location in a tightly sealed container. In cold climates, store the product at room temperatures and bring product to an approximate temperature of 70°F prior to use. Colder material will take longer to achieve final set time, while hot material may set very quickly. Avoid storing directly on top of a concrete slab. Place a barrier between the **Rosalia Profile Corrector** pails and the concrete floor (i.e. plastic, pallet, etc).

## PACKAGING & SHELF LIFE

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**Profile Corrector** is stocked in 50 lb bags. Shelf life is one year in the original, unopened, properly stored container.

## PRECAUTIONS AND LIMITATIONS

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- Apply **Profile Corrector** to a properly prepared, cured, primed substrate. Do not apply over dust, dirt or debris or a previously sealed surface until all of the sealer has been removed.
- DO NOT overwater this product!
- Allow **UPA** (Universal Primer Activator) to completely dry prior to application of **Rosalia Profile Corrector**.
- Avoid using in temperatures below 50°F or above 85°F.
- **Profile Corrector** may reflect moving cracks and control joints. Re-cut control joints.
- The proper application, supervision of use & quality control of this product is the sole responsibility of the end user.
- When using any white, cementitious material, be sure to use the proper tools to avoid discoloration.

## SPECIAL NOTES

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Please consult Safety Data Sheet (SDS) and Technical Data Sheets (TDS) and read Warranty information prior to use.

**FOR PROFESSIONAL USE ONLY!** Always install a test area or job site mock up for owner approval of acceptable color, texture, finish adhesion and any other critical requirements prior to proceeding with the installation. Verify that the most current versions of the Technical Data Sheets (TDS) and installation guidelines are being utilized.