



## ROSALIA - FINE STANDARD BUILD

### MICROTOPPING / OVERLAY SYSTEM

### TECHNICAL DATA & APPLICATION INSTRUCTION

#### PRODUCT DESCRIPTION

Kingdom Products' **Rosalia Fine Standard Build** is a two component, high-performance cementitious microtopping designed for interior or exterior application. **Rosalia Fine Standard Build** is intended as a base or build coat for the Impressionaire Floor and Wall System. **Rosalia Fine Standard Build** can be applied in various standard & decorative applications including smooth, spray-down/knock-down or broomed finishes. Numerous different effects can be achieved with the **Rosalia** product line through various application methods, stains, dyes and pigmenting techniques.

#### BENEFITS/FEATURES

- Provide a smoother finish
- Interior / Exterior
- Low Build
- Flexible

#### RECOMMENDED APPLICATIONS

- Spraydown/Knockdown
- Building Entrances/Foyers
- Stencils
- Excellent base for graphics
- Driveways, sidewalks, garages, basements, patios, pool decks & porches

#### TECHNICAL INFORMATION

<p>Tensile Strength.....256 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..... 810 psi (5.6 mpa)</p> <p>7 days..... 2,780 psi (19.2 mpa)</p> <p>28 Days.....3,790 psi (26.1 mpa)</p> <p><u>Flexural Strength ASTM C-348</u></p> <p>28 Days.....1,240 (8.5 mpa)</p> <p><u>Tensile Strength ASTM C-190</u></p> <p>28 Days.....256 psi (1.7 mpa)</p> <p>Wet Appearance.....Light or Dark Gray</p> <p>Dry Appearance.....White or Light Gray</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

- On average each 30 lb pail will cover approximately:
- 200 to 250 sq ft at 1/32"
  - 100 to 125 sq ft at 1/16" thickness

#### PACKAGING & SHELF LIFE

**Rosalia Fine Standard Build** is stocked in 30 lb pails and is available in White or Natural Gray. The shelf life is one year in the original, unopened, properly stored container.

#### 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 - 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 & control joints must be honored and not filled during application of the **Rosalia Fine Standard Build**.
8. Surface must now be primed. Prior to priming allow surface moisture (from cleaning) to evaporate thoroughly.

**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 and allow to dry completely before application of **Rosalia** Microtopping. Should more than eight hours time elapse after priming, the substrate should be misted with a fine coat of **UPA**, diluted 1:1 with clean water. Allow to tack up before applying the **Rosalia**.

**MIXING:** Add one 30 lb. pail of **Rosalia Fine Standard Build** to 1.2 gallons of undiluted **UPA**. Always add the dry powder into to the liquid & mix thoroughly scraping the sides of 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 Fine Standard Build** to the pigmented liquid.

**APPLICATION:** The **Rosalia Fine Standard Build** material can be applied with a steel concrete finishing trowel or with a magic trowel (the preferred method) depending on personal preference. When using White Rosalia, be sure to use the proper tools to avoid discoloration of the material, i.e. plastic instead of steel. **Rosalia Fine Standard Build** standard application temperatures should be between 50 - 90 degrees. Avoid applying **Rosalia Fine Standard Build** in a dry, windy environment. Apply the material in thin, controlled applications. Do not dump full, mixed buckets of material onto the floor surface. 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 Fine Standard Build** 2 to 6 hours drying time (depending on environmental factors) before screen sanding. The surface is now ready for additional coats of **Rosalia Super Fine Crema** to achieve an ultra-smooth finish or to be stained with Olde World Stain, Acid Stain or sealed with a Kingdom Products sealer of your choice. Mist previous coats of **Rosalia** with **UPA**, diluted 1:1 with clean water before application of additional coats. Allow to tack up before applying the **Rosalia**.

## STORAGE

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Do not subject Kingdom Products **Rosalia Fine Standard Build** 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 temperature 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 Fine Standard Build** pails and the concrete floor (i.e. plastic, pallet, etc).

## PRECAUTIONS AND LIMITATIONS

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- Apply **Fine Standard Build** 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 **Fine Standard Build** .
- Avoid using in temperatures below 50°F or above 85°F.
- **Fine Standard Build** 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.