



# ROSALIA - SUPER FINE CREMA

## MICROTOPPING / OVERLAY SYSTEM

### TECHNICAL DATA & APPLICATION INSTRUCTION

#### PRODUCT DESCRIPTION

**Kingdom Products' Rosalia Super Fine Crema** is a two component, high-performance cementitious microtopping designed for interior or exterior application. **Rosalia Super Fine Crema** is intended to be used as a final finish coat microtopping for the Impressionaire Floor and Wall System. **Rosalia Super Fine Crema** can be applied in various standard and decorative applications including glass smooth, spray-down/knock-down or stimped finishes. Numerous different effects can be achieved with **Rosalia** through various application methods, stains, dyes and pigmenting techniques.

#### BENEFITS/FEATURES

- Ultra-smooth finish
- Interior / Exterior
- Low Build
- Flexible

#### RECOMMENDED APPLICATIONS

- Garages, basements, patios
- Stencil Applications
- Building Entrances/Foyers
- Base for Graphics
- Anywhere a glass smooth finish is specified.

#### 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.....370 psi (2.6 mpa)</p> <p>7 days.....1,610 psi (11.1 mpa)</p> <p>28 Days.....2,100 psi (14.5 mpa)</p> <p><u>Flexural Strength ASTM C-348</u></p> <p>28 Days.....750 (5.17 mpa)</p> <p><u>Tensile Strength ASTM C-190</u></p> <p>28 Days.....240 psi (1.0 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

- On average each 20 lb pail will cover approximately:
- 180 to 200 sq ft at 1/32"
  - 90 to 100 sq ft at 1/16"

#### 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 performed.
7. All expansion and control joints must be honored and not filled during application of the **Rosalia Super Fine Crema**.
8. Surface must now be primed. Prior to priming allow surface moisture (from cleaning) to evaporate thoroughly.

## APPLICATION

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**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 applying the **Rosalia Super Fine Crema**. 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 **UPA** to tack up before applying the **Rosalia**.

**MIXING:** Dilute **UPA** only 50% with water (.8 gal UPA + .4 gal water = 1.2 gallons diluted solution) Add one 20 lb. pail of **Rosalia Super Fine Crema** to 1.2 gallon of diluted **UPA** solution. 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 then add the dry powder **Rosalia Super Fine Crema** to the pigmented liquid.

**APPLICATION:** The **Rosalia Super Fine Crema** 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 Super Fine Crema** standard application temperatures should be between 50 - 80 degrees. Avoid applying **Rosalia Super Fine Crema** 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 80 to 100 grit sanding screen. Allow **Rosalia Super Fine Crema** 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 the 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

Do not subject Kingdom Products **Rosalia Super Fine Crema** 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 will set very quickly. Avoid storing directly on top of a concrete slab. Place a barrier between the **Rosalia Super Fine Crema** pails and the concrete floor (i.e. plastic, pallet, etc).

## PACKAGING & SHELF LIFE

**Super Fine Crema** is stocked in 20 lb pails and is available in White or Natural Gray. The shelf life is one year in the original, unopened, properly stored container.

## PRECAUTIONS AND LIMITATIONS

- Apply **Super Fine Crema** to a properly prepared, cured, primed substrate. Do not apply over dust, dirt, 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 Super Fine Crema**.
- Avoid using in temperatures below 50°F or above 85°F.
- **Super Fine Crema** 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

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.