RPA MIXING INSTRACTION

Revised July 2025

RPA Mixing Ratio Instructions

RPA Additive Admixture for Limestone Cement Plasters

(Tuscany / Terra / Ortex base coat / Kurkarit)

For Interior or Exterior Walls, Ceilings and Floor Microtopping Applications
Applicable to: Stucco brown coat, Stucco, Drywall, EIFS basecoat, thin set, acrylic modified cement, cement board, glass board in D.A.F.S. (Direct Applied Finish System), smooth concrete, pour-in-place concrete, EPS.
For substrates such as: MDF, metal, ceramic or glazed tiles, glass, and other non-porous surfaces, additional preparation steps are required—always follow the manufacturer's recommendations.

Material Mixing Process

• Mixing Ratios:
- First coat (for large SPAN): Mix 1 part RPA with 4 parts water. This mix is prepared in a 5-gallon bucket.
Example: 1 gallon of RPA + 4 gallons of water.
- Second coat: Mix 1 part RPA with 8 parts water. Prepare this in a separate clean 5-gallon bucket and label it as "MILK."
Example: ½ gallon of RPA + 4 gallons of water.
Note: For floor microtopping, wave technique, Shower Stall Walls, and certain other specific finishes, use a 1:4 ratio for the second coat as well.

• Mixing Procedures:
o For one bag of plaster, use approximately 1.5 gallons of the prepared "MILK" mix.
o Add the water-soluble pigment pack into the mix and stir thoroughly.
Note: For dark pigments, a kitchen blender is recommended to ensure full dispersion.
o Gradually add the dry plaster powder (e.g., Tuscany) while mixing.
o Adjust the mixture to desired consistency while mixing.

• Consistency Requirements:
o Final mix should be soupy—but not too runny—allowing it to hold on the hawk without sliding.
o Too much water may weaken the mix and lead to failure.
o Adjust by adding more "MILK" as needed, maintaining a slightly runny yet stable texture.

• Mixing Intervals and Pot Life:
o Let the mix rest for 5 minutes, then remix briefly before application.
o Total "MILK" content per mix batch should be between 6.5 to 7.0 quarts per 50.7 lbs. bag.

Pre-Wetting (Optional): To get more open time, for Limestone Cement Plaster
o Spray a blend of 5 parts water and 1 part RPA over the dry basecoat or 1st coat until the surface darkens, let it flash and apply 2nd coat. Wait 5-10 minutes before the plaster application.

• Additional Notes:
o Ensure the same mixed ratio and consistency across multiple batches or days for uniform finish.
o Pot life is approximately 2 hours; use within the first hour for color stability.
o For best outcome: Always add power plaster to liquid, do not add liquid to plaster powder.
o Follow water-soluble pigment mixing instructions.
o Work in a controlled environment without air circulation or direct sunlight.
o For added strength and flexibility, embed fiber mesh in the first coat of Texston cement plaster or use **Ortex acrylic modified Cement Leveler and Basecoat.** This minimizes the appearance of cracks in the finish layers.

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