

# User Guide

## Mixing & Application of In-Situ Running Render for Running External Mouldings

### Introduction

In-Situ Running Render is a high-performance durable, traditional material ideally suited for conservation, repair, and new build applications involving external mouldings. This guide provides step-by-step instructions for mixing, applying, and finishing when running external profiles.

**Running Render is incredibly fast setting** with an open working time of between 90 seconds and 5 minutes. The temperature and weather conditions also play a considerable role in the setting and work time of Running Render. This setting time can be extended and adjusted with the use of **Tempo retarder** (sold separately).

We have manufactured Running Render without any retarder in the product itself to give the most flexibility within the material, in terms of its application, uses and seasonal temperature variations. In our extensive experience of using Running Render there are times when a flash setting of the material is required, a medium set for larger runs or 20–30-minute working time is needed. All of this is achievable with the addition of Tempo retarder and adjusting it to suit the requirement.

### Materials & Equipment

The following is a short list of materials and equipment we would recommend for your project.

- In-situ Running Render Muffle coat, Top coat and Primer bonding slurry.
- Tempo retarder
- Clean water (preferably potable)
- Mixing container and mechanical whisk mixer
- Running moulding tools (rule, profile templates)
- Trowels, hawk, floats
- Brushes and sponges
- Protective equipment (gloves, goggles, dust mask)

### Mixing & Application Guidance

#### Gauging your water

1. Select your desired working time depending on the application required.
2. Always gauge your water not the material itself. We recommend adding 2 cap fulls of Tempo retarder to a full standard bucket of clean water as a starting gauge. (The Tempo bottle cap has an inner measuring cup within it) Test the strength of the gauge by mixing a small amount in a pot/rubber bowl and note the working time. Adjust the Tempo until a comfortable work time is achieved.

#### Mixing Procedure

1. Running Render is all about small batch mixing. Areas are built up by the application of consecutive coats as the previous begins to set. **Do not attempt to mix large batches all in one go.**
2. Mechanical mixing with a whisk is recommended or bowl and small tool for very small mixes. - Slowly add clean gauged water while mixing until a workable, plastic consistency is achieved. - Avoid over-watering — mortar should be stiff enough to hold shape but workable for moulding.
3. Pot Life – Running Render sets quickly (approx. 5 minutes max without tempo). - Mix only as much material as can be applied within this working time. - **Important** Never re-temper (add water to) partially set mortar.

### Application for Running External Mouldings

1. Preparation - Ensure substrate is clean, sound, and slightly dampened before application. - Apply a slurry coat of Running Render Primer and adhesive to act as a bonding coat (see guide) and apply the first coat of render while it is still wet.
2. Base Coat - Apply mortar generously to the substrate in the line of the moulding. - Use the running rule or guide rails to establish the profile base.
3. Building Up the Moulding - Apply mortar in successive passes, each layer pressed firmly into place. - Run the moulding tool along guide rails to shape each pass. - Allow each pass to stiffen before adding the next, ensuring the profile is maintained, but do not let the previous coat dry out too much. Anything more than an hour, then another coat of Running Render Primer bonding slurry should be applied.
4. Finishing - Remove the muffle of the running mould and repeat the process with Running Render Top coat. - Lightly mist with water if needed to prevent premature drying. - Brush or sponge surface for desired texture. - Protect fresh work from direct sun, wind, and frost during curing.

### Curing & Aftercare

Keep mortar damp for the first 48–72 hours using light misting or damp coverings. - Avoid rapid drying, which can cause shrinkage or cracking. - Do not apply in freezing conditions or when frost is expected.

### Safety Notes

- Always wear gloves, goggles, and a dust mask when handling Running Render.
- Wash skin immediately after contact.
- Store materials in a dry place, sealed against moisture.

☒ For further advice, please contact The Natural Plaster Company technical support team.