# PYROCOTE Z3

## ZIRCON REFRACTORY COATING FOR MOLTEN ALUMINIUM AND STEEL

Pyrocote Z3 is a cream coloured, thixotropic, water-based zircon coating, formulated for use with molten steel and molten aluminium contact areas. Its thixotropic properties become liquid and easy to apply when shear forces are encountered, such as when the coating is stirred, brushed, sprayed, rolled or similarly applied.

After a short period of time, undisturbed material in the container will revert to its original thixotropic gel properties. However, these properties also provide protection against cracking or spalling problems during the rapid drying of thick coatings.

Pyrocote Z3 clings to an applicator without dripping. It penetrates refractory pores and flows evenly, smoothing imperfections and brush marks to the applied surface material.

Pyrocote Z3 will not sediment and is tolerant of temperature variations during storage. However, it should be protected from extreme heat and cold. Continuous exposure to temperature extremes over time is detrimental to the coating.

### BENEFITS

- High zirconia content provides good coverage
- Ready-for-use
- Non-drip thixotropic coating, flows easily
- Easy drying, will not crack, blister or lift
- Easily remixed or diluted

### APPLICATIONS

Protective refractory surface coating

### STORAGE

Keep cool, do not expose to direct sunlight

### USE INSTRUCTIONS

Pyrocote Z3 should be applied undiluted by brush, swab or spray. Add 10 percent distilled water to Pyrocote Z3 for spray applications.

1. Brush out normally.
2. Spray gun application is satisfactory if the equipment is in good working condition and if the container includes an agitator. Simple blow guns, etc., may not be suitable. **NOTE: The product may be diluted with distilled water up to a maximum of 10 percent. Prepare only the amount to be used at the time of application.** This will not affect suspension, but can reduce the coating's thixotropic nature.
3. Pyrocote Z3 is not suitable for dipping applications.
4. Pyrocote Z3 should be dried by heat application. Even a strong torching method will not blister, crack or spall the coating, and drying times are short because of low intrinsic water content.





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