



# PYROCOTE Z1

## ZIRCON REFRACTORY COATING FOR MOLTEN ALUMINIUM AND STEEL

Pyrocote Z1 is a cream coloured, thixotropic, water-based zircon coating, formulated for use with molten steel and molten aluminium. Its thixotropic properties make it 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 Z1 clings to the applicator without dripping. It penetrates refractory pores and flows evenly, smoothing imperfections and brush marks on the surface material.

Pyrocote Z1 will not sediment and is tolerant of temperature variations during storage. However, it should be protected from heat and cold extremes. Continuous exposure to temperature extremes 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 coating for refractory surfaces

### STORAGE

Keep cool, do not expose to direct sunlight

### USE INSTRUCTIONS

Pyrocote Z1 should be applied undiluted by brush, swab, roller or spray. Add 10 percent distilled water to Pyrocote Z1 for spray applications.

1. Brush out normally.
2. Spray gun application is satisfactory if the equipment is in good condition and 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 coating amount being used at the time of application.** This will not affect suspension, but can reduce the thixotropic nature of the coating. Dilution with water is only advised for spray applications.
3. Pyrocote Z1 is not suitable for dipping applications.
4. After application, Pyrocote Z1 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 the low intrinsic water content.

