



# Pyrocote MU Refractory Coating

## MOLTEN ALUMINIUM REFRACTORY COATING

Pyrocote MU is a light cream coloured, thixotropic, water-based coating with high durability. Pyrocote MU is formulated as an alumino silicate based coating with inert fillers to meet the needs of refractories being contacted by molten aluminium. The coating's thixotropic properties allow it to be applied by stirring, brushing, spraying and rolling. A short time after being mixed, undisturbed Pyrocote MU in the container will revert to its original thixotropic properties. The coating also provides protection against cracking or spalling during rapid drying.

This coating has excellent gel properties that ensure the coating does not drip from a brush, and is held in suspension until it is applied to a surface. Pyrocote MU will adhere to fresh refractory and previously coated surfaces, and will spread smoothly with few brush marks.

This coating will not sediment and is tolerant of temperature variations during storage. However, it should be protected from hot and cold temperature extremes, which are detrimental to the coating over time.

### PHYSICAL PROPERTIES

Active Ingredient	Molochite
Colour	White
Liquid Carrier	Water
Density (g/cm <sup>3</sup> )	1.6
Coating pH	7.5
Brookfield Viscosity (cps)	3000
Shelf Life	Typically 12-plus months

### BENEFITS

- High durability
- Ready-for-use right out of the container
- Non-drip coating
- Flows easily
- Any drying method can be used and the coating will not crack, blister or spall
- Easy remixing or dilution
- Green ceramic pigment is available for better visibility

### USE INSTRUCTIONS - BRUSH OR SWAB APPLICATION

1. Mix the amount of Pyrocote MU required at the time of the application thoroughly to ensure complete homogeneity.
2. Apply the coating evenly with a brush or swab. Pyrocote MU is not suitable for dipping applications.
3. After application, Pyrocote MU should air-dry when given enough time and suitable ambient conditions. The coating's drying time is short because of its low intrinsic water content. Strong heat application methods of drying are preferred, and the coating will not blister, crack or spall.

*Note: After a short period of time any undisturbed material in the container will revert to its original thixotropic properties.*

### USE INSTRUCTIONS - SPRAY GUN APPLICATION

The recommended equipment for spray gun applications is a pressure pot sprayer with an agitator, or a similar pressurized cannister gun. Simple spray guns, gravity feed or suction sprayers may not be suitable.

1. If necessary, dilute Pyrocote MU with distilled or purified water up to a maximum of 10 percent.
2. Apply the coating evenly with the spray gun.
3. After application, the coating should air-dry when given enough time and suitable ambient conditions. The coating's drying time is short because of its low intrinsic water content. Strong heat application methods of drying are preferred, and the coating will not blister, crack or spall.

*Note: Pyrocote MU is not suitable for dipping applications because of its thixotropic nature.*

### STORAGE

- Store at room temperature in the original container
- Do not freeze

### HEALTH AND SAFETY

Prior to use, refer to the product safety datasheet for proper handling and required personal protective equipment.

**WARNING: Never contact wet coatings with molten metal.**

