



# PYROCOTE XTRA REFRACTORY COATING

## MOLTEN ALUMINIUM REFRACTORY COATING

Pyrocote XTRA is a white, thixotropic, high performance, water-based coating formulated to act as a protective barrier for refractory surfaces in contact with molten aluminium. The coating's thixotropic properties allow it to be applied by brushing, spraying and rolling. Pyrocote XTRA also resists cracking or spalling during rapid drying. The coating has excellent gel properties to ensure it does not drip from a brush but is held in suspension until it is applied. Pyrocote XTRA covers both fresh refractory and previously coated surfaces smoothly with few brush marks.

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

### PHYSICAL PROPERTIES

Active Ingredient	Titanium dioxide
Colour	White
Liquid Carrier	Water
Density (g/cm <sup>3</sup> )	1.8
Coating pH	7.5
Brookfield Viscosity (cps)	4600
Shelf Life	Typically 12-plus months

### BENEFITS

- Ideal protection against aluminium alloys containing magnesium with long exposure times
- High durability
- Ready-for-use right out of the container
- Non-drip coating
- Flows easily
- Any drying method can be employed and the coating will not crack, blister or spall
- Easy remixing or dilution
- Green ceramic pigment is available for better visibility

### APPLICATIONS

- Troughs
- Liquid metal transport ladles
- Filter box liners
- Similar refractory components

### USE INSTRUCTIONS - BRUSH, ROLLER OR SWAB APPLICATION

1. Mix Pyrocote XTRA thoroughly to ensure complete homogeneity.
2. Apply the coating evenly with a brush, roller or swab.
3. After application, Pyrocote XTRA 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 XTRA 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 XTRA 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.**

