



# PYROCOTE MGM REFRACTORY COATING

## MOLTEN ALUMINIUM CONTACT REFRACTORY COATING

Pyrocote MGM is a dark grey coloured, thixotropic, water-based coating, formulated with graphite for use with molten aluminium. Its thixotropic properties become liquid and 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 rapid drying of thick coatings.

Pyrocote MGM clings to the applicator without dripping. It penetrates the refractory, spreads smoothly, and flows to the level of the applied surface material making it free of surface imperfections and brush marks.

Pyrocote MGM 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 over time is detrimental to the coating.

### BENEFITS

- Excellent non-wetting properties
- Dark grey colour provides a good visual reference
- Ready-for-use
- Non-drip thixotropic system, yet flows easily
- Easy drying, will not crack, blister or lift
- Easily remixed or diluted

### APPLICATIONS

- Troughs
- Liquid metal transport ladles
- Filter box liners

### AVAILABILITY

25 kg (55 lb) buckets

### USE INSTRUCTIONS

Pyrocote MGM should be applied undiluted by brush, swab, roller or spray. Add up to 10 percent distilled water to Pyrocote MGM for brush applications, and up to 30 percent for spray applications.

1. Brush out normally.
2. Spray gun application is satisfactory if the equipment is in good working 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 for brush applications and up to 30 percent for spray applications. Prepare only the amount to be used at the time of application.**
3. Pyrocote MGM is not suitable for dipping applications.
4. After application, the coating should be dried by heat application. The recommended method is to use a ZEN preheater system to provide hot air to the coated area. Even a strong torching method (which could damage the refractory) will not blister, crack or spall Pyrocote MGM, and drying times are short because of the low intrinsic water content.

### STORAGE

- Keep the container tightly closed in a dry and well ventilated place
- Keep away from direct sunlight
- Do not freeze

### HEALTH AND SAFETY

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

