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Technical Data Sheet Plibrico PliKote GMC

Product # 61506

Available Internationally As:

Plibrico PliKote GMC

Product Description:

Plibrico PliKote GMC is a protective coating that may be applied to ladles, thermocouple tubes, and other ferrous surfaces to prevent molten metal adhesion. This is a water-based mixture blended with graphite to ensure a smooth coating where excellent release characteristics are mandatory.

Service Use:

Plibrico PliKote GMC is designed for coating metallic surfaces including ingot and sow molds, cast iron thermocouple protection tubes, furnace cleaning tools and hand tools. Can be used in both ferrous and non-ferrous metal applications.

Standard Packaging:	5 gallons / 18.93 L Pail
Weight (shipped):	9 lbs. per gallon - 47 lbs. total for a 5 gallon Pail
Shelf Life:	12 months
Service Limit:	3000°F / 1649°C

Physical Characteristics and Properties

Appearance	Black Slurry
Freeze Point	Do Not Allow Material to Freeze - If frozen, the product will be rendered useless
Refractory	Standard Grade Graphite
Adhesion Prevention	Excellent

Other Data:

Application:

Stir PliKote GMC thoroughly prior to use. Surfaces to be coated should be clean of all previous coatings, rust, and grease. PliKote is shipped concentrated and should be diluted with water prior to use. It can be applied by dipping, brushing, or spraying. Do not overcoat as this may cause flaking. Two light coats will produce better results than one thick coat. If air drying, allow a minimum of 8 hours prior to use or should be force-dried before ladle can be used. **CAUTION:** Never put parts with wet coating into molten metal.

DILUTION RATIOS: For spray applications, dilution ratios are usually 3:1 to 5:1, depending on orifice size of the spray head.

Hand ladles: 2-3 parts water to 1 part concentrate

Automatic ladles: 1-3 parts water to 1 part concentrate

Thermocouples & Troughs: 0-1 parts water to 1 part concentrate

Ingot/sow molds: 1 part water to 1 part concentrate for initial coat – 3 parts water to 1 part concentrate for touch up

In the diluted state, PliKote GMC may settle, agitate prior to coating. Keep the unused portion closed at all times to prevent product hardening, once it dries, it cannot be diluted with water. **Thorough drying of the coating is highly recommended prior to allowing any molten metal to come in contact with the coating.**

Release Date: 01 Aug 2000

Note: All data are averaged results of ASTM tests (where applicable) on laboratory specimens. Reasonable variations in data can be expected. Data is not to be used for specification purposes. Product data is periodically updated to reflect product, raw material, process and/or testing changes. The information contained in this bulletin is to the best of our knowledge, true and accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained from its use, or that any such use will not infringe any patent. Product should be used as per recommendations and should not be modified. Please consult your Plibrico representative to make sure you have the most current data.