



Plibrico Company, LLC

1935 Techny Road - Unit 16
Northbrook, IL 60062
(312) 337-9000
www.plibrico.com

Technical Data Sheet Plibrico PliKote BN

Product # 61504

Available Internationally As:

Plibrico PliKote BN

Product Description:

Plibrico PliKote BN is a standard grade, boron nitride coating designed for molten aluminum contact applications. It is an environmentally sound product which does not contain any chlorinated solvents or other ozone-depleting materials. Designed to exhibit excellent wear characteristics, PliKote BN is compatible with most aluminum ladle and furnace refractories. It has outstanding non-wetting properties that facilitates in the resistance and removal of aluminum buildup.

Service Use:

Plibrico PliKote BN is designed for coating ceramic and metallic hand and automatic ladles, thermocouple protection tubes, prefired refractory surfaces including precast troughs and furnace linings. PliKote BN can also be used on graphite and has been used successfully in the glass industry.

Standard Packaging: 1 or 5 gallons / 3.79 or 18.93 L Pail

Weight (shipped): 10.7 - 11.0 lbs. per gallon

Shelf Life: 12 months

Service Limit: 2900°F / 1593°C

Physical Characteristics and Properties

Appearance	White Smooth Slurry
Freeze Point	Do Not Allow Material to Freeze
Refractory	Standard Grade Boron Nitride, Kaolin
Solids	25%

Other Data:

Application:

Preparation: Material should be mixed with a mechanical stirrer prior to use.

Brush Application: The refractory surface to be coated should be clean and void of any loose debris and dust. The surface should be dampened with water prior to applying the coating. Slightly dampen the brush with water and cover the desired surface with PliKote BN. Be sure material is completely dry prior to use.

Spray Application: Due to its high viscosity, PliKote BN may require dilution with water for spray application. Use an approximate water to coating ratio of 1.5:1 by volume. **NOTE:** *At this dilution ratio, product will tend to settle and will require agitation prior to application.* Surface temperatures of between 300°F and 500°F are generally acceptable for spray applications. **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.