



Plibrico Company, LLC

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

Technical Data Sheet Plibrico PliKote BN Dry

Product # 61505

Available Internationally As:

Plibrico PliKote BN Dry

Product Description:

Plibrico PliKote BN Dry is a non-liquid, standard grade, boron nitride coating designed for molten contact applications. Designed to exhibit excellent wear characteristics, PliKote BN Dry is a protective coating that may be applied to ladles, thermocouple tubes and other ferrous surfaces to prevent molten metal adhesion. This mixture is blended with boron nitride and a special additive to ensure a bright, smooth coating.

Service Use:

Plibrico PliKote BN Dry 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 Dry 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):	5 lbs. or 25 lbs.
Shelf Life:	12 months
Service Limit:	2900°F / 1593°C

Physical Characteristics and Properties

Appearance	Dry Powder, white paste when mixed with water
Freeze Point	Do Not Allow Material to Freeze
Refractory	Non-liquid, Standard Grade Boron Nitride
Adhesion Prevention	Excellent

Other Data:

Application:

Surfaces to be coated should be clean of all previous coatings, rust, and grease. Add the dry powder to warm water, *Not Hot*, and mix thoroughly to desired dilution ratio. Mixing by hand with cold water is adequate but time consuming. Using a mixing device with warm water is the preferred method.

PliKote BN Dry can be applied by dipping, brushing, or spraying. Do not overcoat as this may cause flaking or cratering. Two light coats will produce better results than one thick coat. If air drying, allow a minimum of 4 hours prior to use. Suggested frequency of coating should be once per shift. **CAUTION:** Never put parts with wet coating into molten metal.

DILUTION RATIOS: For ingot/sow molds, mix 5 lbs. PliKote BN Dry to 12 lbs. warm water for initial coat. Preheat molds to 150°F prior to coating. Keep the unused portion closed at all times *and keep dry*. A 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.