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Technical Data Sheet

Redline RedKote BN Dry

Product # 61505

Available Internationally As: Redline RedKote BN Dry

Product Description:

Redline RedKote BN Dry is a non-liquid, standard grade, boron nitride coating designed for molten contact applications. Designed to exhibit excellent wear characteristics, RedKote BN Dry is 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:

Redline RedKote 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. Redkote 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^{O}F / *1593^{O}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.

RedKote 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. Redkote BN Dry to 12 lbs. warm water for initial coat. Preheat molds to150^{o}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.

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