

FRANKOTE BN-FS DRY

DRY CERAMIC COATING

DESCRIPTION: Frankote BN-FS 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. Frankote BN-BRB DRY is dyed blue for visual accountability on the mold.

APPLICATION: Frankote BN-FS DRY is to be mixed with water. (See chart below for appropriate mixing guidelines). Clean the surface to be protected of all previous coatings, rust, grease, etc.

NOTE: Add the dry powder to warm water and stir thoroughly. Mixing by hand with cold water is adequate, but is time consuming. However, using a mixing device with warm, not hot, water is the preferred method. Apply by dipping, brushing or spraying. Do not overcoat. Thick, heavy coatings will cause flaking or cratering. Two or three light coats produce better results than one thick coating. Coating must air dry at least eight hours or should be forced dried before ladle can be used. Suggested frequency of coating should be once per shift.

CAUTION: NEVER PUT A WET LADLE INTO MOLTEN METAL.

BENEFITS: This ceramic coating will last longer than the typical red iron oxide, or red mud, that has been used in the past. Less coating frequency means less down time.

ENVIRONMENTAL: Although this ceramic coating is alkaline by nature, it is considered non-hazardous.

SUGGESTED DILUTION RATIOS: NOTE: 3-lbs. BN-FS DRY mixed with 7-lbs. of water is identical to one gallon of regular Frankote BN-FS liquid concentrate.

NOTE: 1 GALLON OF WATER IS APPROXIMATELY 8.2LBS.

BN-DRY RATIOS

Hand ladles.....	16-24 lbs. water to 3lbs. dry
Automatic ladles.....	12-24 lbs. water to 3lbs. dry
Thermocouples.....	12 lbs. water to 3lbs. dry
Troughs.....	8-16 lbs. water to 3lbs. dry
Ingot/sow molds.....	12 lbs. water to 3lbs. dry for initial coat – 16-24 lbs. water to 3lbs. dry for subsequent coatings. (Preheat molds to 150°F prior to coating).

NOTE: If spray application is required, dilution ratios are usually in the range of 1.0 to 1.5 lbs of dry mix with 8 gallons of water, depending on the orifice size of the spray head.

SAFETY DATA & HANDLING: In the diluted state Frankote BN-FS DRY will settle. Agitate prior to coating. Keep the unused portion closed at all times **AND KEEP DRY.** Please refer to the MSDS for additional information.

PACKAGING: 5-lb pails, 25-lb pails, 275-lb drums

The information contained in this technical bulletin is, to the best of our knowledge, true and accurate. However, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. This product should be used as per LaFrance recommendations and should not be modified.