

# Technical Data Bantox 115

## PRODUCT NAME

**Bantox® 115**, a foundry furnace dust stabilizing additive.

## PRODUCT DESCRIPTION

Bantox® 115 is a patented, powdered, complex calcium silicate-based furnace dust additive for stabilizing lead, cadmium and selenium. Other heavy metals can be stabilized with different chemistries in the Bantox® line of products.

USE: Typically used at a 15 percent weight ratio for stabilizing heavy metal contaminated furnace dust, producing a non-hazardous waste suitable for disposal in a local subtitle D landfill. Material is injected directly into the furnace charge door or connected duct work leading to the dust capturing system. Federal and state EPA recognize this process as non-treatment requiring no permits for operation.

CHEMICAL REACTIONS: Bantox® 115 produces heavy metal silicates (salts) through chemical conversion, rendering the dust non-hazardous according to TCLP criteria.

RESTRICTIONS: Material must be kept dry until preparations are made for foundry application. Equipment should be kept clean and routinely inspected to ensure there are no problems with equipment operation that may lead to an improper injection rate.

## \*TYPICAL PROPERTIES

SPECIFIC GRAVITY:	3.15
BULK DENSITY:	90-95 #/ft <sup>3</sup>
SIEVE ANALYSIS (>90%):	(-) 300 mesh
SOLUBILITY: (Slight)	.1%-1.0%
pH:	11.5-12.5 (S.U.)
MELTING POINT:	1540° C

\*These data are a result of historical production performance. TDJ does not imply that future production will exactly demonstrate these typical properties.

## EQUIPMENT REQUIREMENTS

PLC controlled volumetric feeders equipped with weigh scales are available through TDJ for the purpose of introducing the product at a specified rate. Custom units can be designed by TDJ for specific user-defined requirements, or assistance can be provided for development and installation of foundry's own equipment.

## AVAILABILITY

Distributed from Chicago area-based facility. Contact TDJ's corporate office or your regional manager for pricing and availability.

## TECHNICAL SERVICE

Complete technical documents and information are available from TDJ Group's corporate office. Technical assistance to determine which product line is right for your specific application is also available.

## WARRANTY

**All recommendations, statements and technical data contained herein are believed to be reliable and accurate, but are not to be construed as a warranty, expressed or implied. We accept no responsibility for results obtained by the application of this information. Unless otherwise specifically stated in a written supply contract, user assumes all responsibility and liability for loss or damage arising from the handling and use of this product.**



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