

PRODUCT BULLETIN

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**ALLIED
MINERAL**
PRODUCTS, INC.

DRI-VIBE[®] 331A

General Information

DRI-VIBE[®] 331A is a fused alumina-based, dry-vibratable refractory designed for lining coreless induction furnaces melting a wide range of carbon, stainless, and high-alloy steels. DRI-VIBE 331A is best suited for use at tap temperatures ranging from 1540°C to 1760°C (2800°F to 3200°F). DRI-VIBE 331A is also an excellent refractory for use in ferrous channel furnace inductors. This product offers the following features and benefits:

- > Completely dry
- > Spinel bond for high temperature thermal stability and strength
- > Excellent resistance to chemical attack

Technical Data

Chemical Analysis

(Major Components)
Al₂O₃ 67.7%
MgO 30.1%

Material Required..... 3.07 g/cm³ (192 lb/ft³)
Grain Size..... 7 mm (3 mesh) and finer
Maximum Practical Use Temperature..... 1815°C (3300°F)
Minimum Use Temperature 1480°C (2700°F)
Installation Method..... Dry ram or vibrate
Procedure(s)..... CL-1, CL-4, CL-14, CL-17, CH-19

Packaged in 25 kg (55 lb) multi-wall paper bags protected with stretch wrap. Also available in bulk packaging. Storage beyond 12 months is not recommended. Store in a dry location to avoid moisture pickup.

Sintering Data

Please refer to the appropriate Procedure Bulletin for instructions regarding your desired application method.

Allied Mineral Products, Inc. supplies an entire line of monolithic refractories for the metals industry. For more information or a complete evaluation of your refractory requirements, please contact your local Allied representative.

Warning: Contains aluminum oxide, magnesium oxide, aluminosilicates, and silica. The International Agency for Research on Cancer (IARC) has classified crystalline silica inhaled in the form of quartz or cristobalite carcinogenic to humans. Refer to Material Safety Data Sheet for additional information and disposal instructions. Wear NIOSH approved respirator during installation, removal, and disposal of product to prevent inhalation of dust. In case of eye contact, flush immediately and repeatedly with water and consult a physician. For safest use and optimum performance, proper practices must be followed.

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