

PRODUCT BULLETIN

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**ALLIED
MINERAL**
PRODUCTS, INC.

DRI-VIBE[®] 355A

General Information

DRI-VIBE[®] 355A is a fused alumina-based dry vibratable refractory designed for lining coreless induction furnaces for melting copper-based alloys. It can also be used to line inductors for channel furnaces melting or holding copper-based alloys. A fused silica addition results in volume stability. DV355A is best suited for use at tap temperatures ranging from 1070°C (1950°F) to 1315°C (2400°F). This product offers the following benefits and features:

- > Heat set bond
- > Exceptional non-wetting characteristics
- > Wear and corrosion resistance

Technical Data

Chemical Analysis

(Major Components)

Al ₂ O ₃	82.6%
SiO ₂	10.2%
SiC	4.0%
TiO ₂	1.8%
Fe ₂ O ₃	0.3%

* Proprietary ingredients not listed

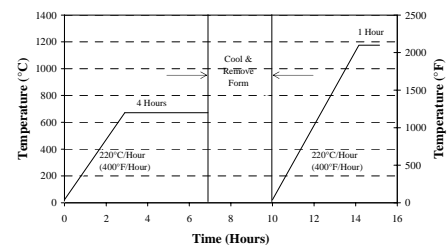
Material Required	2.92 g/cm ³ (182 lbs./ft ³)
Grain Size	4 mm (6 mesh) and finer
Maximum Use Temperature	1500°C (2730°F)
Minimum Use Temperature	980°C (1800°F)
Installation Method	Dry ram or vibrate

Packaged in 25 kg (55-lb.) multi-wall paper bags. Storage beyond 24 months is not recommended. Store in a dry location to avoid moisture pickup.

Sintering Data – Coreless Furnace

Initial Hold Temperature 650°C (1200°F)
Final Hold Temperature 1150°C (2100°F)
Sinter Rate: 220°C (400°F)/Hour
Form Type: Removable or Consumable

Sinter Schedule for Coreless Furnace Linings
Using a Removable Form



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

Warning: Contains aluminum oxide, aluminosilicates, silicon carbide, fluorine compounds, 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. Do not breathe fumes during the heating of this product. 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.

(DV355)
10/22/10

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