

# PRODUCT BULLETIN

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**ALLIED  
MINERAL**  
PRODUCTS, INC.

## DRI-VIBE<sup>®</sup> 799A

### General Information

DRI-VIBE<sup>®</sup> 799A is an andalusite-based dry vibratable refractory designed as a working lining for coreless induction furnaces melting ferrous metals. This product is designed to resist attack by neutral to acidic slags. This product utilizes a consumable form and offers the following benefits and features:

- > Outstanding resistance to cracking and spalling
- > Wear and corrosion resistant
- > Ideally suited for melting ductile base and gray iron

### Technical Data

#### Chemical Analysis

(Major Components)

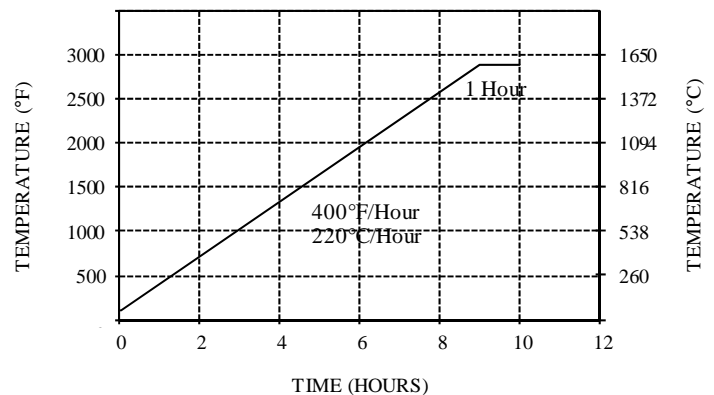
Al <sub>2</sub> O <sub>3</sub>	79.9%
SiO <sub>2</sub>	16.8%
Fe <sub>2</sub> O <sub>3</sub>	0.6%

Material Required .....	(2.92 g/cm <sup>3</sup> ) 182lbs./ft <sup>3</sup>
Grain Size .....	5 mm (0.20 in.) and finer
Maximum Use Temperature .....	1700°C (3100°F)
Minimum Use Temperature .....	1200°C (2200°F)
Installation Method .....	Dry ram or Vibrate
Procedure(s) .....	CL-1, CL-2, CL-3, CL-4, CL-14, CL-18, CL-44

Packaged in 25.0 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

Ramp Rate: 220°C (400°F)/hour  
Final Hold: 1600°C (2910°F) or 50°C (100°F) above  
maximum melt temperature



Allied Mineral Products, Inc. supplies an entire line of monolithic refractories for melting and holding all types of metals in coreless and channel induction furnaces. For more information or a complete evaluation of your refractory requirements, please contact your local Allied representative.

**Warning:** Contains aluminum 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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