

# PRODUCT BULLETIN

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**ALLIED  
MINERAL**  
PRODUCTS, INC.

## DRI-VIBE® 975A

### General Information

DRI-VIBE® 975A is a fused alumina-based dry vibratable refractory designed for lining coreless induction furnaces melting stainless and high-alloy steels. An addition of magnesia provides spinel bonding for high temperature strength. DRI-VIBE® 975A is well suited for both large and small furnaces and for use at tap temperatures ranging from 1500°C to 1710°C (2730°F to 3100°F). This product offers the following benefits and features:

- > Tolerates a wide range of scrap charge material
- > Excellent resistance to chemical attack
- > Spinel bond for high temperature thermal stability and strength

### Technical Data

#### Chemical Analysis

|                                |       |
|--------------------------------|-------|
| Al <sub>2</sub> O <sub>3</sub> | 87.0% |
| MgO                            | 12.2% |
| CaO                            | 0.2%  |
| SiO <sub>2</sub>               | 0.2%  |
| Fe <sub>2</sub> O <sub>3</sub> | 0.1%  |

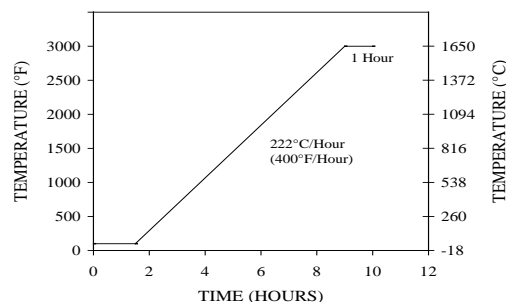
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|-----------------------------------|--|
| Material Required .....           | 3.12 g/cm <sup>3</sup> (195 lbs./ft <sup>3</sup> ) |
| Grain Size .....                  | 8 mm (5/16 mesh) and finer                         |
| Practical Temperature Limit ..... | 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-61                           |

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

### Sintering Data

Final Hold Temperature: 1620°C (2950°F)  
Sinter Rate: 222°C (400°F) /Hour

Sintering Schedule For Coreless Furnace  
Linings Using a Consumable Form



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.

(DV975)  
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