

# PRODUCT BULLETIN

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**ALLIED  
MINERAL**  
PRODUCTS, INC.

## DRI-VIBE® 967CR

### General Information

DRI-VIBE® 967CR is a fused alumina-based dry vibratable refractory with a chromium oxide addition. This product is designed for lining coreless induction furnaces melting low carbon steel and all grades of high-temperature steel. The fused alumina matrix reacts with the magnesia and chromia, creating a complex spinel that resists corrosive environments. This product offers the following features and benefits:

- > Completely dry for rapid installation and sintering
- > Chromium oxide addition to improve resistance to chemical attack
- > Under normal operations, maintains an unsintered back-up zone

### Technical Data

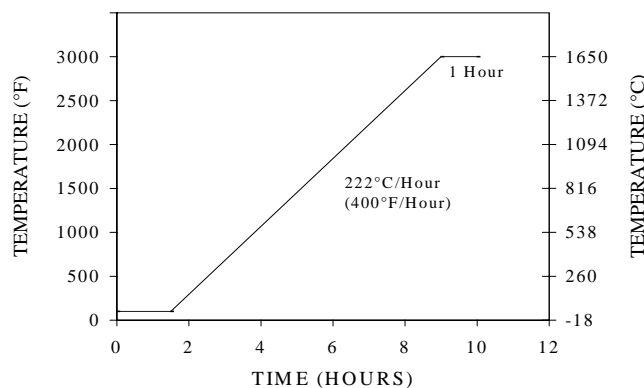
Chemical Analysis (Major Components)		
Al <sub>2</sub> O <sub>3</sub>	80.5%	Material Required.....3.03 g/cm <sup>3</sup> (189 lb./ft. <sup>3</sup> )
MgO	14.2%	Grain Size.....7 mm (3 mesh) and finer
Cr <sub>2</sub> O <sub>3</sub>	4.7%	Maximum Use Temperature.....1815°C (3300°F)
Fe <sub>2</sub> O <sub>3</sub>	0.1%	Minimum Use Temperature .....1540°C (2800°F)
SiO <sub>2</sub>	0.1%	Installation Method .....Dry ram or vibrate
		Procedure(s) .....CL-1, CL-4, CL-14

Packaged in 25 kg (55-lb.) multi-wall paper bags. Palletized 64 bags (1600 kg or 3520 lb.) per 42" x 42" pallet, 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: 1650°C (3000°F)  
Sinter Rate: 222°C (400°F)/Hour  
Form Type: Consumable

Sintering Schedule For Coreless Furnace  
Linings Using a Consumable Form



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, magnesium oxide, chromium 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. Chromium compounds may be a cancer hazard. 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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