

PRODUCT BULLETIN

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**ALLIED
MINERAL**
PRODUCTS, INC.

MINRO-MAG RAM M10

General Information

MINRO-MAG RAM M10 is a high-purity, *magnesia-based* DRI-VIBE® product designed for lining channel furnace inductors melting and holding iron. This product offers the following benefits and features:

- > *Completely dry*
- > *Alumina -magnesia* spinel bond for resistance to erosion
- > *Loose backup* minimizes metal fin penetration
- > Suitable for both *hot and cold* inductor changes

Technical Data

Chemical Analysis

MgO	88.6%
Al ₂ O ₃	6.7%
SiO ₂	1.5%
CaO	1.7%
Fe ₂ O ₃	0.3%
Others	1.2%

Material Required	177 lbs. per cubic foot (2.83 g/cm ³)
Grain Size	6 mesh (4 mm) and finer
Practical Temperature Limit	3250°F (1785°C)
Installation Method	Dry ram or vibrate
Procedure(s)	CH-19

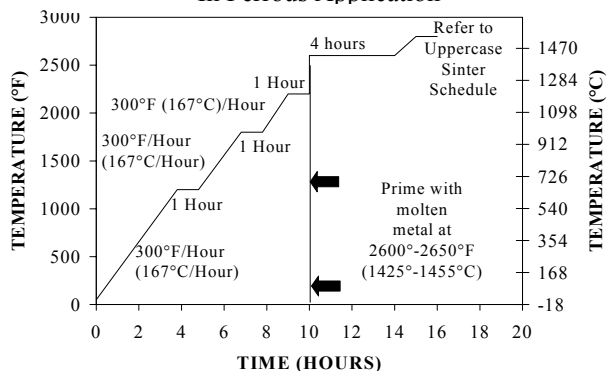
Packaged in 55-lb. (25.0 kg) multi-wall paper bags. Palletized 64 bags (3520 lbs. or 1600 kgs) per 42" x 42" pallet, protected with stretch wrap. Storage beyond 12 months is not recommended. Store in a dry location to avoid moisture pickup.

Sintering Data

2200°F (1204°C) Initial Hold Temperature
2700°F (1482°C) Final Hold Temperature
Sinter Rate: 300°F (167°C)/Hour

Reference: Procedure Bulletin CH-19

Sintering Schedule Using Hollow Loop Form
In Ferrous Application



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 magnesium oxide, aluminum oxide, aluminum silicates, 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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