

# PRODUCT BULLETIN

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**ALLIED  
MINERAL**  
PRODUCTS, INC.

## DRI-VIBE<sup>®</sup> LGS 231S - XB

### General Information

DRI-VIBE<sup>®</sup> LGS 231S - XB is a silica-based dry vibratable refractory designed as a coreless induction furnace top cap for iron-melting applications. This product was designed to be installed with either DRI-VIBE<sup>®</sup> LGS, SIL-VIBE<sup>®</sup>, MINRO-SIL<sup>®</sup> RAM 1001 or MINRO-SIL<sup>®</sup> 2001 working linings. DRI-VIBE<sup>®</sup> LGS 231S - XB offers the following benefits and features:

- > Fused silica addition for improved thermal shock resistance and volume stability
- > Ideally bonded for higher strength at lower temperatures

### Technical Data

#### Chemical Analysis

SiO<sub>2</sub> 99.2%  
Al<sub>2</sub>O<sub>3</sub> 0.5%

Material Required ..... 1.89 g/cm<sup>3</sup> (118 lb/ft<sup>3</sup>)  
Grain Size ..... 12 mm (1/2 inch) and finer  
Practical Temperature Limit ..... 1650°C (3000°F)  
Installation Method ..... Dry ram or vibrate  
Procedure(s) ..... CL-1, CL-2, CL-3, CL-4, CL-13,  
CL-18, CL-44, CL-52

Packaged in 25 kg (55-lb.) multi-wall paper bags protected with stretch wrap. Store in a dry location. Storage beyond 24 months is not recommended.

Allied Mineral Products, Inc. supplies a complete 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 free silica and fused silica. The International Agency for Research on Cancer (IARC) has classified crystalline silica inhaled in the form of quartz or cristobalite carcinogenic to humans. Wear NIOSH approved respirator during handling, installation, removal, and disposal to prevent inhalation of dust. Refer to Material Safety Data Sheet for additional information and disposal instructions. 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.

(DVLGS231XB)  
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