

PRODUCT BULLETIN

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**ALLIED
MINERAL**
PRODUCTS, INC.

V-CAST[®] 426A

General Information

V-CAST[®] 426A is a low-moisture, ultra-low cement, fused alumina-based castable designed for lining uppercase sidewalls, spouts, receivers, throats and floors of channel induction furnaces melting or holding iron and copper-based alloys. V-CAST 426A is also well suited for lining molten metal transfer equipment. This product offers the following benefits and features:

- > Silicon carbide addition for increased resistance to chemical attack
- > Excellent hot and cold strengths
- > Rapid dehydration properties for fast turnaround

Technical Data

Chemical Analysis

(Major Components)

Al ₂ O ₃	80.4%
SiO ₂	10.4%
SiC	6.4%
TiO ₂	1.7%

Material Required	3.14 g/cm ³ (196 lb./ft. ³)
Grain Size	9.5 mm (3/8 inch) and finer
Maximum Use Temperature	1705°C (3100°F)
Installation Method	Vibration
Procedure(s)	CH-23, G-33

Packaged in 25 kg (55-lb.) multi-wall paper bags. Palletized 60 bags (1500 kg or 3300 lb.) per 42" x 42" pallet protected with stretch wrap. Also available in bulk bag packaging. Storage beyond 12 months is not recommended. Store in a dry location to avoid moisture pickup.

Casting Data

Water Required:	4.5-5.0%
Working Time:	Up to 45 minutes
Initial Hydraulic Set:	1-3 hours
Final Hydraulic Set:	3-8 hours
Form Removal:	18 hours after casting

This product is a two-component mix requiring cement addition on site prior to installation. For more details, contact your Allied representative.

Allied Mineral Products, Inc. supplies a complete line of monolithic refractories for the metals industry. For more information or an evaluation of your refractory or turnkey requirements, please contact your local Allied representative.

Warning: Contains aluminum oxide, aluminum silicates, silicon carbide, aluminum, 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. Do not breathe fumes during the heating of the product. Refer to Material Safety Data Sheet for additional information and disposal instructions. Avoid breathing dust. Wear NIOSH approved respirator during installation, removal, and disposal of product to prevent inhalation of dust. Hydrogen gas is generated when product is exposed to water. Proper ventilation should be supplied to avoid gas buildup. Avoid use of enclosed forms. Ignition of hydrogen gas in an enclosed area can lead to personal injury. Steam spalling, which can lead to personal injury, may result from improper drying and firing procedures. 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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