

PRODUCT BULLETIN

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**ALLIED
MINERAL**
PRODUCTS, INC.

MINRO-Z WASH Z77

General Information

MINRO-Z WASH Z77 is a zircon-based wash material designed to coat refractory surfaces. It may be used as a patch primer, protective wash, or temporary coating. A primary application for MINRO-Z WASH Z77 is the coating of refractory surfaces used in aluminum melting operations. This zircon-based wash helps prevent the adherence and buildup of dross. Any dross which accumulates is more easily cleaned off than from untreated surfaces. MINRO-Z WASH Z77 may be used on alumina and zircon-based linings.

MINRO-Z WASH Z77 is supplied dry and water is added to desired consistency. For troweling, add 15 – 18%. For brush-on applications, use 20%. For spray-on consistency, 25% or more is required. Working time is 30 to 60 minutes depending upon the consistency.

Technical Data

<u>Chemical Analysis</u> (Major Components)		
ZrO ₂	55.0%	Grain Size..... 0.6 mm (30 mesh) and finer
SiO ₂	35.4%	Maximum Practical Use Temperature..... 1650°C (3000°F)
P ₂ O ₅	4.5%	Installation Method Trowel, Brush, or Spray
Al ₂ O ₃	1.2%	Type of Set..... Air Set / Heat Set

Packaged in 25 kg (55-lb.) multi-walled paper bags. Palletized 64 bags (1600 kg or 3520 lb.) per 42" x 42" pallet, protected with stretch wrap. Store in a cool, dry location. Keep from freezing. Storage beyond 24 months is not recommended.

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 zircon 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. 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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