

PRODUCT BULLETIN

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**ALLIED
MINERAL**
PRODUCTS, INC.

MINRO-SIL[®] GROUT S15

General Information

MINRO-SIL[®] GROUT S15 is a silica-based, hydraulic setting material designed for application to the inside face of coreless induction furnace coils in iron and non-ferrous melting applications. MINRO-SIL GROUT S15 should be applied in a uniform layer of approximately ¼ inch thickness and may be worked between the turns of open coils for electrical insulation. Add water to obtain good troweling consistency. Work with small batches of 25 pounds each. This product offers the following benefits and features:

- > Moderate set time
- > Good surface finish and workability
- > Can be used for straight or tapered grout jobs

It is recommended that minor repairs be allowed to air dry 4 to 8 hours before installation of the working lining. Major repairs, or completely new coil coating, should be dried in accordance with Allied's procedure CL-37.

Technical Data

Chemical Analysis

SiO ₂	70.9%	Material Required	2.24 g/cm ³ (140 lbs./ft ³)
Al ₂ O ₃	15.9%	Grain Size	1 mm (16 mesh) and finer
CaO	11.3%	Maximum Use Temperature	1425°C (2600°F)
TiO ₂	0.9%	Installation Method	Trowel
Fe ₂ O ₃	0.4%	Procedure	CL-37
Others	0.5%		

Packaged in 25 kg (55 lb.) multi-wall paper bags. Palletized 64 bags (1600 kgs or 3520 lbs.) per 42" x 42" pallet, protected with stretch wrap. Storage 24 months is not recommended. Store in a dry location to avoid moisture pickup.

Hydraulic Set

Water Required:	15-16.5% by weight
Working Time:	Up to 60 minutes
Initial Set:	1.5-2.5 hours
Final Set:	1.5-4 hours

Allied Mineral Products, Inc. supplies a complete 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 silica and calcium aluminate cement. 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. Avoid contact with skin and eyes. Cement powder of freshly mixed castables may cause eye and skin irritation. Steam spalling, which can lead to personal injury, may result from improper drying and firing procedures for products that are installed wet. 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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