

Superwool[®] Sealcoat HT

Product Data Sheet



Product Description

Superwool Sealcoat HT insulation is composed of Superwool HT, a low bio-persistent fiber, organic polymers, inorganic binders and other proprietary ingredients. This product is a pliable, low shrinkage, putty-like material that is supplied wet and premixed, ready for installation by a pneumatically applied system. The product is designed to seal furnace lining cracks and can be used as a hot face coating over fiber insulation and other refractory surfaces to restore and improve lining performance.

Installation Information

The HS-100 Extrusion pump is a piston extrusion pump which has been modified to pump Superwool Sealcoat HT in a fast, efficient manner. These modifications optimize the pump's capabilities to provide a complete delivery system. The Sealcoat Spray Nozzle assembly is designed to work in conjunction with the HS-100 Extrusion pump. The combined system allows for an efficient wet gunning technology. Sealcoat can also be applied by trowel or caulking gun.

Features

- Pliable, putty-like material composed of low biopersistent fibers, proprietary ingredients and inorganic binders
- Ready to use
- Resistant to thermal and mechanical breakdown
- Non-wetted in molten aluminum

Applications

- Grout refractory joints and gaps
- Hot face coating over fiber or dense refractory
- Seals furnace lining cracks
- Back-up lining
- Furnace maintenance and emergency repairs

Shelf Life

- Shelf life for Superwool Sealcoat HT is 24 months if stored correctly in a cool, non humid environment. Shelf life is calculated from date of manufacture noted on label.

Standard Dimensions and Availability

- Superwool Sealcoat HT is manufactured globally. Please reference contact your regional Morgan Advanced Materials - Thermal Ceramics representative for your local business needs.

	11oz caulking tube	32oz caulking tube	1 gallon pail	5 gallon pail
Superwool Sealcoat HT	X	X	X	X

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Properties		Superwool Sealcoat HT
Region of Manufacture		Europe
Colour		off-white
Continuous Use Temperature, °C		1538
Classification Temperature, °C		1593
Density, dried @110°C, kg/m ³		513-577
Density, wet, kg/m ³		1201
Solids, %		46
Aluminum Resistant cup test		
	816°C, 707.5 alloy, 72 hours	No penetration
Modulus of Rupture, dried, MPa		
	110°C	1.38
	1315°C	1.45
Compressive strength @10% deformation, MPa		
	dried	1,04
Compressive strength @10% deformation, fired, MPa, psi		
	1093°C	1.55
	1315°C	1.59
Permanent Linear Change, %, 24 hours		
	1093°C	-1.4
	1315°C	-1.4
	1426°C	-1.5
	1538°C	-1.6
Chemical Analysis, %		
	Silica, SiO ₂	86
	Calcium oxide, CaO	12
	Other	2

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