

Unifrax Fiberfrax® Topcoat™ 3000 Coating Cement

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Fiberfrax Topcoat™ 3000 and Topcoat™ M coating cements have a temperature grade rating of 1538°C (2800°F). Topcoat 3000 consists of a blend of regular ceramic fibers and high-temperature Fibermax® polycrystalline fibers combined with an inorganic binder system. This product imparts excellent flame and hot gas erosion resistance to other product forms and effectively minimizes thermal shrinkage of fiber blankets, modules, and boards. Topcoat M is a blend of Fibermax fibers in a dry powder form which is mixed with a prescribed amount of potable water at the job site. It provides protection against slag and alkali attack when applied to Fiberfrax high-temperature boards and modules. Typical Applications Protect high-temperature Fiberfrax lining systems from slag and alkali attack Improve hot gas erosion resistance of Fiberfrax high-temperature linings Reduce thermal shrinkage of hot face in high-temperature refractory and ceramic fiber linings Fill hot face surface cracks Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-Topcoat-3000-Coating-Cement.php

Physical Properties	Metric	English	Comments
Density	0.599 g/cc	0.0216 lb/in ³	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1454 °C	2649 °F	Recommended Operating Temperature
Shrinkage	2.5 - 3.5 % @Temperature 1540 °C, Time 86400 sec	2.5 - 3.5 % @Temperature 2800 °F, Time 24.0 hour	Linear

Component Elements Properties	Metric	English	Comments
Al2O3	51 %	51 %	
NaO2	0.30 %	0.30 %	
SiO2	47 %	47 %	

Descriptive Properties	Value	Comments
Appearance	Blue paste	
Approx. Coverage 1-Layer (SF/Gal)	8-10	
Temperature Grade (°F)	2800	
Trace Inorganics (%)	1	

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