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CeraSeal FZM

Specialty Refractory Composition for Sealing Ceramic Surfaces to 1400 C

CeraSeal FZM is a ready-to-use, water-based brushable coating that ... after applying, drying, and firing onto ceramic parts, forms a dense, tough refractory sealant coating for the substrate.

Key Attributes

- Tough, abrasion-resistant
- Designed for ceramics with moderate expansion, such as Aluminum Oxide
- Usable to 1400 C
- Water-based, safe, and easy to use like housepaint

Ideal Use

- Improving erosion/corrosion resistance
- Providing smooth/tough 'shell' refractory surface

Use Notes

1. Remove any surface oil, dust, grease, scale, or other coating.
2. Re-suspend (if needed) until uniform. Small amount of water dilution (<10%) is tolerated.
3. Apply a single layer, and thoroughly dry.
4. One-time 'bake-on' to 1400 C for ½ hour bonds the coating onto the ceramic.

Safety Information

- Consult SDS before use.
- Avoid breathing of spray/vapors.
- For Industrial Use only.



Specifications

Active Ingredient	Fused Zirconia-Mullite
Max Use Temperature with All Atmospheres	1400 C (2552 F)
Fired Composition	>75% AlZrSiOx + Stable Refractory
Liquid Carrier	Water
Binder Phase	Proprietary
Specific Gravity	2.37
Brookfield Viscosity (cps)	1260@3/60
Color	Cream/Beige
Shelf Life (months)	>12
Coating pH	2
H F R Ratings	1-0-0
Substrate Use	Ceramics*

*Note: Expected best with moderate thermal expansion ceramics, such as Aluminum Oxide.

Sizes and colors

CeraSeal FZM is a cream/beige-colored paint

Standard size: 1 gallon pail
 1 quart container

CAUTION: DO NOT CONTACT WET COATINGS WITH MOLTEN METAL.

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