

CeramSurf™ Abrasion Resistant Surfacing Material



CeramSurf Kit Contents (Rated for up to 200°F Service)	
Description	Quantity
Component A: 18 lb. can base epoxy adhesive with ceramic beads	1
Component B: 9 lb. container hardener	1
Trowel	1
Mylar Film	10 inch x 10 feet
Instruction Sheet	1

Note: One kit will cover 8¾ sq. ft. with a ¼ inch thick layer or 17½sq. ft. with a 1/8 inch thick layer.

Trowelable Wear Protection for All Kinds of Surfaces

You can easily mix and apply CeramSurf material to most surfaces to protect against wear. The two-component mixture contains high-alumina ceramic beads suspended in an epoxy resin matrix. These materials provide abrasion and corrosion resistance approaching that of solid ceramic tile. CeramSurf material is so versatile it can be applied to vertical or horizontal flat surfaces and unusual shapes and curves.

Industries with wide applications for CeramSurf material include those handling bottom ash and fly ash, pulverized coal, ore (vanadium and uranium), concrete, wood pulp, heavy sale, and wet process slurries; copper, iron ore, potash and zinc tailings; taconite handling, dredge lines, smelter slag, dust collection, and diatomaceous earth.

Use CeramSurf Material to Extend Equipment Life in These Areas
Valve Casing (Sluice Gate Valves)
Coal Handling Areas: Telescope chute at coal pile Transition area to mill Coal mills/conveyor system Back pass of boiler (dust to economizer hopper) Burner areas Coal conveyor system Coal shshute
Pulverized Coal Ni-Hard Fuel
Concrete Sump Structures
Ash Discharge Trough
Oyno Casubg
Feed Chutes and Plates
Conveyor Blade Wear Plates
Hoppers
Chute Linings

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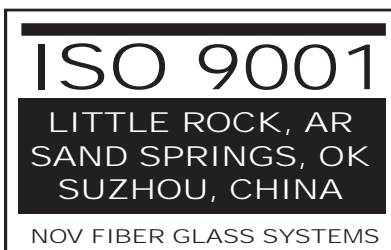
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Easy to Use

Mix the CeramSurf components A and B in a two-to-one ratio either by weight or by volume. Before applying the compound, the surface to be covered must be free of all dirt, grease, rust and foreign matter. This can be accomplished by first grinding, sanding, or wire brushing the area. Wash the surface with a degreasing solvent. Next use the trowel provided in the kit to apply the mixture evenly to the clean surface. CeramSurf material will cure sufficiently for use in about 4 hours at 77°F. Hardening (curing) time can be accelerated by applying heat. See **Bulletin F6650** for complete mixing and application instructions.

Property	After Curing 4 hours @72°F	After Curing 24 hours @72°F	After Curing 2 hours @200°F
Tensile Strength (ASTM D-638 Test Method)	1,758 psi	3,679 psi	4,045 psi
Compressive Strength (ASTM D-695-69 Test Method)	7,060 psi	13,368 psi	15,534 psi
Izod Impact (Unnotched)	3.54 ft•lbs	3.31 ft•lbs	2.91 ft•lbs
Heat Distortion Temperature (ASTM D648 Test Method)	174°F (Samples cured 3 days @77°F + 1 hour @225°F)		
Working Time @72°F	30 Minutes		
Gel Time (ASTM D-2471 Test Method C, 15 MI Mass)	60 Minutes		
Specific Gravity	2.37		
Maximum Operating Temperature	200°F		



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