



CERAMOX

A division of
Wonderstone Limited

ADVANCED CERAMIC TECHNOLOGY

... OUT OF AFRICA

TECHNICAL PRODUCT APPLICATIONS

CeramoX specialises in providing wear solutions that can extend the life of your equipment and keep your system at a maximum operational level. Our **Standard Epoxy Matrix** has been developed specifically for bonding CeramoX alumina tiles to many surfaces. When affixed with our epoxy adhesive, alumina tiles offer strong, wear-resistant protection that can withstand the most extreme abrasive environments. It is easy to use and enables your personnel to make repairs or install tiles on areas exposed to abrasive wear with a minimum of down time.

Our **High Wear Compound** should be applied where complex shapes or hard-to-reach surfaces need protection. The compound includes a special mixture of ceramic beads and epoxy which bind the particles to each other and to the surface being coated. The beads are in various sizes to provide optimum compaction while permitting superior adhesion for overhead or vertical applications. Repaired or coated surfaces cure in twenty-four hours at room temperature.

CERAMOX

Ceramic tile adhesives And wear compounds



We Sell Solutions

Analyzing a wear problem is a complex process. Our design engineers understand wear problems and specify solutions to suit your operational environment. Material properties, engineering tolerances, attachment methods, and material costs are all considered in a CeramoX wear solution.

The **High Bond Grade** has been developed to provide the high bond strength needed to secure our pulley lagging tiles to conveyor drives. The Abrasion Resistant Mortar is used as a filler in pulley lagging installations.

Applications

- Chutes/Hoppers
- Classifier Cones
- Cyclone Separators
- Elbows
- Fan Housing & Blades
- Lined Piping
- Nozzles
- Wear Panels

Markets

- Coal-fired Power Generation
- Abrasive Material Handling
- Chemical Processing
- Food Processing
- Iron/Steel Manufacturing
- Mineral Processing
- Powder/Bulk Solids Conveying
- Pulp & Paper Manufacturing
- Pulverizing & Grinding

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 **WONDERSTONE**
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ISO 9001: 2000 ISO 14001:2004



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CERAMOX CERAMIC TILE ADHESIVES & WEAR COMPOUNDS

PRODUCT	STANDARD EKS 054	HIGH BOND EKP 024	HIGH TEMP EKH010	HIGH WEAR COMPOUND EKW 085	ABRASION RESISTANT MORTAR EKW 117
PROPERTIES	Fast setting	High bond strength	Heat Resistant	Wear Resistant	Wear Resistant
MIXING RATIO - Resin ; Hardener (by wt)	100 / 50	100 / 50	100 / 16	100 / 6	100 / 30
APPLICATION	By Spatula	By Trowel	Spatula /Trowel	Spatula /Trowel	Spatula /Trowel
VISCOSITY / 25°C	Paste	Paste	Paste	Paste	Paste
COVERAGE (1 mm thick application) kg/m ²	1.65	1.65	1.45	2	1.95
PRACTICAL WORKING TIME (Minutes for 1 Kg Pack)	15 - 20	15 - 20	10 - 15	10 - 15	10 - 15
GEL TIME /25°C (minutes)	40 - 50	45 - 60	20 - 25	20 - 25	60
SETTING TIME /25°C - (Hours)	3 - 3.5	2.5 - 3	2.5 - 3	0.5 - 0.75	2 - 2.5
/10°C - (Hours)	12	8 - 10	12	4 - 5	8 - 10
(Glue Line)	2mm	2mm	2mm	5mm	5mm
PRACTICAL CURING TIME /25°C - (Hours)	6 - 8	8	6 - 8	24	24
/10°C - (Hours)	24	24		48	48
CURE TO FULL STRENGTH (Days)	7	7	7	7	7
MAX TEMPERATURE USE (°C)	75 - 80	80	120	100	85