



MULTOTEC

Ceramic Wear Resistant Tiles



Your Specialist in Wear Resistant Linings



Ceramic Wear Resistant Tiles

The cost-effective liner for high wear applications

Efficient production methods, the latest manufacturing equipment and strict quality control ensure that dry pressed high alumina ceramic is the wear resistant material chosen by original equipment manufacturers and for the replacement of existing liners.

Facilities:

- **Engineered ceramics** – custom made shapes and sizes
- **Design** – CAD facilities for non-standard tile requirements
- **Dry Uniaxial and Isostatic pressing, slip casting and extrusion capabilities**
- **Quality control** – Multotec is a TÜV accredited ISO 9001:2008 company
- **Steel fabrication** – complete design, fabrication and lining service
- **Installation** – skilled installation teams for factory or on-site installations
- **Expertise** – experienced qualified engineers available for before and after sales consulting

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Applications

In the field of power generation, ceramic tiles are effectively used to protect pulverized fuel pipes, fans, coal handling chutes and hoppers. Ceramic tiles are an essential product used by the mining industry in vibrating feeders, transfer chutes, cyclones, pipes, high speed fans and other traditional problem areas.

New Uses

Our engineers, in conjunction with industry, are continually exploring new applications for the effective use of ceramics, wherever wear resistant linings are required. Detailed and complex designs are rapidly translated into custom made shapes at our modern factory. We can readily manufacture to your specific requirements.



Property	Value	Units
Bulk Density	3.60	g/cm ³
Porosity	0.0	%
Water Absorption	0.0	%
Modulus of Rupture	280	Mpa
Modulus of Elasticity	295	GPa
Fracture Toughness	3.0	MN/m ^{2/3}
Vickers Hardness HV (5kg)	1023	Kg/mm ²
Abrasion Resistance	0.18	cm ³ /h
Thermal Expansion (400°C)	6.66 x 10 ⁻⁶	/°K
(800°C)	7.92 x 10 ⁻⁶	/°K
(1000°C)	8.26 x 10 ⁻⁶	/°K
Thermal Conductivity	15	W/mk

Part no.	Nominal size	Mass(Kg)/tile	Qty/m ²	Qty/box	Part no.	Nominal size	Mass(Kg)/tile	Qty/m ²	Qty/box
PLAIN TILES					WELDABLE TILES				
P01	150 x 100 x 12mm	0.648	67	30	W01	150 x 100 x 12mm	0.648	67	30
P02	150 x 100 x 25mm	1.350	67	15	W02	150 x 100 x 25mm	1.350	67	15
P03	228 x 114 x 12mm	1.123	39	15	W06	150 x 50 x 12mm	0.324	134	60
P04	228 x 114 x 25mm	2.339	39	8	W07	150 x 50 x 25mm	0.675	134	30
P06	150 x 50 x 12mm	0.324	134	60	W08	150 x 100 x 50mm	2.700	67	8
P07	150 x 50 x 25mm	0.675	134	30	W11	150 x 100 x 20mm	1.080	67	20
P08	150 x 100 x 50mm	2.700	67	8	W12	114 x 114 x 12mm	0.561	77	30
P09	100 x 75 x 12mm	0.324	134	60	W13	114 x 114 x 25mm	1.170	77	15
P10	100 x 75 x 25mm	0.675	134	30	W14	114 x 114 x 50mm	2.339	77	8
P11	150 x 100 x 20mm	1.080	67	20	IMPACT TILES				
P12	114 x 114 x 12mm	0.561	77	30	IP01	100 x 75 x 50mm	1.350	134	15
P13	114 x 114 x 25mm	1.170	77	15	CORNER TILES				
P14	114 x 114 x 50mm	2.339	77	8	P48	100 x 65 x 25mm	0.585	154	-
P22	150 x 25 x 6mm	0.081	267	250	HEXAGONAL TILES				
P25	150 x 50 x 6mm	0.162	134	140	H6	150 x 150 x 6mm	0.486	45	30
P26	150 x 100 x 6mm	0.324	67	70	H13	150 x 150 x 12mm	0.972	45	15
P29	45 x 45 x 6mm	0.044	494	280	SQUARE TILES (25x25mm Tiles)				
P30	100 x 25 x 6mm	0.054	400	280	T06	150 x 150 x 6mm	0.486	45	30
P35	150 x 25 x 12mm	0.162	267	120	DRIVE PULLEY LAGGING STRIPS				
P39	228 x 114 x 6mm	0.561	39	30	PL01 M/D	1180 x 41 x 5 (+1)mm	17		
					PL02 M/D	1180 x 41 x 12 (+1)mm	17		

Multotec is an
ISO 9001:2008
Certified
Company





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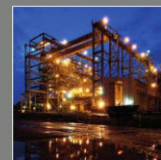
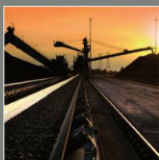
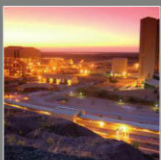
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| Screening Systems | Process Solutions | Wear Resistant Linings |
| Rubber Products | Flotation Solutions | Solid/Liquid Separation Solutions |



Multotec products are subject to continuous development and Multotec reserves the right to make changes to the specifications and design of its products without prior notification.

A complete list of our directors is available on request at marketing@multotec.com.

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