

Densal

High Performance Wear Alumina

Densit Densal abrasion resistant linings offer outstanding protection against server abrasion at process temperatures of up to 1250°C.

Pre cast modules and tubes

- Brick
- Block
- Annular forms

Systems designed to suit application or customer requirement

Installation:

- Resin
- Mechanical
- Welded insert

Pre-modular panel

Technical Data

All technical data are the result of test evaluations on selected samples and some variances may be expected.

Densit expressly does not represent, warrant or guarantee the accuracy completeness or reliability of same.

Densal-

- Prepare steel sub straight, this may require shot blasting to ensure a clean surface free from grease and debris.
- Mix selected tile adhesive to manufactures instructions.
- Apply tile adhesive and fix tiles to sub straight.
- Ensure that lips are kept to a minimum and are not opposed to flow direction.

All joints to be fully grout

Properties	Units	Value
Al ₂ O ₃ Content	%	92
Hardness	Mohs	9
Wear/ASTM C 704, 45°	cm ³	<0,3
Bulk Density	g/ cm ³	3,6
Open Porosity	%	0
Compressive Strength	MPa	1800
Bending Strength	MPa	280
Vickers Hardness	Hv 10	1100
Young's Modulus	GPa	300
Coefficient of Linear Expansion		
20 – 200°C	X 10 ⁻⁶ /K	5 – 6
20 - 400°C		6 – 7
20 - 600°C		7 – 8
20 - 800°C		7 – 9,5
20 - 1000°C		7 – 8,5
Specific Heat	J/kg*K	700 – 850
Water Absorption	%	0
Thermal Conductivity (20 – 100°C)	W/m*K	16 -24
Electric Strength	KV/mm	10
Color		White
Thermal Shock Resistance	ΔT°C	250

The information provided in this data sheet is for design guidance only, Densit Wear Protection UK Ltd dose not warranty this data as absolute values. Forming methods and specific geometries can effect properties