

# CALDET™ STIX ZIRKON

**PRODUCT TYPE**

Maximum recommended temperature	: Special product Regular Castable
Main component	: 1350°C
Type of bond	: Zircon
Appearance	: Hydraulic
Packaging	: Dry, for addition of water
Shelf life	: Sacks
Installation method	: 12 months
Maximum grain size	: Trowelling , Gunning
Material required	: 6 mm
Drinking water required for mixing on site	: 3.10 T/m³ (Rebound included)
Guidelines	: Added at the nozzle
	: Installation Nr 23

PRODUCT PROPERTIES	STANDARD	AVERAGE VALUES	UNITS
<u>CHEMICAL ANALYSIS</u>			
Al2O3	EN 1402-3	37.0	%
ZrO2	EN 1402-3	30.0	%
SiO2	EN 1402-3	26.0	%
CaO	EN 1402-3	5.0	%
Fe2O3	EN 1402-3	1.1	%
<u>PHYSICAL PROPERTIES</u>			
<u>Measured on samples prepared by gunning</u>	CALD 010		-
<u>Bulk density</u>			
after drying at 110 °C	EN 1402-6	2.94	g/cm3
after firing at 800 °C	EN 1402-6	2.80	g/cm3
<u>Cold crushing strength</u>			
after drying at 110 °C	EN 1402-6	40	MPa
after firing at 800 °C	EN 1402-6	48	MPa
after firing at 1000 °C	EN 1402-6	45	MPa
after firing at 1200 °C	EN 1402-6	40	MPa
<u>Permanent linear change</u>			
after firing at 800 °C	EN 1402-6	-0.3	%
after firing at 1000 °C	EN 1402-6	-0.4	%
after firing at 1200 °C	EN 1402-6	-0.6	%
<u>Thermal conductivity</u>			
at a mean temperature of 800 °C	EN 993-15	0.92	W/mK
at a mean temperature of 1000 °C	EN 993-15	0.95	W/mK
at a mean temperature of 1200 °C	EN 993-15	0.97	W/mK
<u>Reversible thermal expansion after firing [20-1000 °C]</u>	-	0.68	%

Commercial Code : MZC30001

Version : 10

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The data are current production averages. They cannot be used as limits for a specification.