

# MOSCONI

rev. 2023-01-14



## WET AIR SETTING MORTARS

		CM 2600	CM 3000 BlackMos	CM 3300
<b>MAIN PROPERTIES</b>				
<b>Classification</b> ASTM C-199-84		1430	1650	1760
<b>Refractoriness</b> ASTM C-24-84	PCE	23	33	34
<b>Temperature limit at normal oxidizing conditions</b>	°C	1430	1650	1760
<b>PROPERTIES AT COOL CONDITIONS</b>				
<b>Density as applied</b>	Kg/m <sup>3</sup>	1680	1950	2000
<b>Viscosity</b> by Mosconi cylinder penetration	mm	26	26	28
<b>Permanent linear change after drying</b>	%	-2.0	-1.7	-1.5
<b>Module of rupture after drying</b> UNI EN ISO 10545-4	MPa	15	22	28
<b>PROPERTIES AT HIGH TEMPERATURE CONDITIONS</b>				
<b>P.L.C. after firing at classification temperature</b>	%	-1.0	-0.8	-1.0
<b>OTHER PROPERTIES</b>				
<b>Sieve Analysis</b> DIN 52098				
% < 0.1	mm	60	70	75
% < 0.2		83	88	88
% < 0.5		95	98	98
<b>Chemical Composition</b> XRF UNI EN ISO 12677				
SiO <sub>2</sub>	%	56.5	51.1	40.5
Al <sub>2</sub> O <sub>3</sub>		36.7	43.2	55.0
TiO <sub>2</sub>		1.6	1.4	1.0
Fe <sub>2</sub> O <sub>3</sub>		1.6	1.2	0.8
CaO		0.3	0.2	0,2
MgO		0,3	0,2	0,2
K <sub>2</sub> O		0,7	0,4	0,3
Na <sub>2</sub> O		2,5	2,5	2
<b>USAGE</b>				
<b>Estimated quantity required for laying 1000 bricks</b>	Kg	180	200	210
		<b>CM 2600</b>	<b>CM 3000 BlackMos</b>	<b>CM 3300</b>

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All products are delivered ready to use, in metal pails of 25 kg net weight.