

85-Ram HS TS LES00145 MX0 MOLD

Monolithic Refractory Product Information

Revision: H.00 Date: 03 Jan 2019



A high alumina phosphate bonded mouldable for use in torpedo ladle throats, soaking pit slag lines, electric arc furnace roofs, etc and molten metal contact applications. Supplied ready to use.

Service Temperature:1650 °CMaterial Required:2830 kg/m³Typical Water Required:-Maximum Grain Size:5.0 mmPermanent Linear Change,
Rammed/Dried to 110 °C:Abrasion Resistance C-704:<5.0 CC</th>

Chemical Analysis							
SiO ₂	TiO ₂	Al_2O_3	Fe ₂ O ₃	CaO	MgO	$Na_2O + K_2O$	P_2O_5
10.5	2.2	82.0	1.2	0.2	0.2	0.3	3.5

oical Physical Propert		Tested in accordance with International and European Stan			
Prefired	Bulk	Cold	Cold	Permanent	
to	Density	Crushing Strength	Modulus of Rupture	Linear Change	
(°C)	(kg/m³)	(N/mm²)	(N/mm²)	(%)	
110	2630	15	8.6	-	
800	2635	29	14.8	-0.2	
1200	2635	36	16.8	-0.2	
1400	2620	48	15.5	+0.1	
1600	2665	42	13.9	-1.3	

Other Physical Propertie	es	Tested in accordance with International and European Standards			
Prefired to (°C)	Apparent Porosity (%)	Thermal Conductivity (W/m.K)	Hot Modulus of Rupture (N/mm²)	Permanent Volume Change (%)	
20	-	3.30	-	-	
200	-	2.76	-	-	
400	-	2.37	-	-	
600	-	2.24	-	-	
800	-	2.18	-	-	
1000	-	2.24	-	-	

Formerly: 85 Ram HS Slabs (8001) Thermiplast 810D Thermiplast 865PCE

Drying & Firing: N/A Installation Method: N/A Mixing / Installation: N/A
Shotcreting: N/A Pumping: N/A MSDS Reference: LES00145

The physical and/or chemical properties and specifications of the product set forth above represent typical average results obtained in accordance with generally accepted standard test methods conducted under controlled conditions, and are subject to normal manufacturing variations. Vesuvius reserves the right to modify the properties and specifications at any time without prior notice.

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