



OWEN CORP

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Refractory Cement Properties

Cement	ST-1	ST-2	ST-2-1	ST-3	ST-4
Al ₂ O ₃ (%) ≥	68~77	60	60~68	50~60	50~60
CaO (%) ≥	25	30	30	29~35	29~35
SiO ₂ (%) ≤	1.0	1.5	5.0	8.0	8.0
Fe ₂ O ₃ (%) ≤	0.8	1.0	2.0	2.5	3.0
CCS 1day (MPa) ≥	30	40	20	45	40
CCS 3 days (MPa) ≥	40	50	45	55	50
Bending Strength 1 day (MPa) ≥	5.0	5.5	2.5	5.5	5.0
Bending Strength 3 day (MPa) ≥	6.0	6.0	5.0	6.5	6.0
Initial Setting Time (min) ≥	30	30	60	30	30
Final Setting Time (hours) ≤	6	6	18	6	6
Specific Surface Area (Blaine) m ² /Kg ≥	600	450	300	300	300
Packaging	25kg Bag	25kg Bag	25kg Bag	25kg Bag	25kg Bag

Note:

All data represents typical results of standard tests conducted under controlled conditions. As such, the information is intended only as a general guide for specifications and design estimates.