

## ABBREVIATIONS AND SYMBOLS

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% – Percentage	EDS – Energy dispersive X-ray spectroscopy
© – Copyright	gm – Gram(s)
°C – Degree centigrade	h – Hour
α– Alpha	HMOR – Hot modulus of rupture
β– Beta	Kg – Kilogram
Δ– Delta	m – Molar
μm – Micrometer	min– Minutes
AMC – Alumina magnesia carbon	mm– Millimeter
AP – Apparent porosity	NCB – Nanocarbon black
BD – Bulk density	nm – Nanometer
CCRB – Carbon containing refractory brick	PLCR- Permanent linear change after reheat
CCS – Cold crushing strength	sec – Second
cm– Centimeter	SEM – Scanning electron microscopy
CMOR – Cold modulus of rupture	TGA – Thermogravimetric analysis
CTE- Coefficient of thermal expansion	TSR – Thermal shock resistance
DTA – Differential thermal analysis	XRD – X-ray diffraction