Typical Specification of Quicklime

Reference: MS 850:1997 Methods of Test for Chemical Analysis of Limestone, Quicklime and Hydrated Lime (First Revision)
ASTM C110-09 Standard Test Methods for Physical Testing of Quicklime, Hydrated Lime and Limestone
ASTM C25-06 Standard Test Methods for Chemical Analysis of Limestone, Quicklime and Hydrated Lime

Parameter	Quicklime
Burnt Rate	95.0 % min
Residual CO_2	2.0 % max
CaO	90.0 % min
MgO	2.5 % max
SiO_2	1.0 % max
Fe_2O_3	0.2 % max
Al_2O_3	1.0 % max
Lime Size	20 – 85 mm
Fine Lime (0-3mm)	8.0 % max
Reactivity	Initial T = 20°C Initial T rise at 30 sec. = 25~35°C T_{60} = 1 min. T_{max} = 72°C Total T rise = 52°C $T_{slaking}$ = 5 min.

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