

ULTRA LOW CEMENT CASTABLES

PRODUCT NAME	ACE-ULC 45	ACE-ULC 57A	ACE-ULC 60	ACE-ULC 70	ACE-ULC 75	ACE-ULC 80	ACE-ULC 90	ACE-ULC 95
GENERAL PROPERTIES								
Installation	Vibro-Casting	Vibro-Casting	Vibro-Casting	Vibro-Casting	Vibro-Casting	Vibro-Casting	Vibro-Casting	Vibro-Casting
Shelf Life (Months)	4	4	4	4	4	4	4	4
Max. Service Temperature(°C)	1550	1650	1600	1650	1650	1700	1800	1800
Max. Grain Size (mm)	6	6	6	6	6	6	6	6
Water Required for Casting(%)	5.5-6.5	4.5-5.5	5.2-6.2	4.5-5.5	4.5-5.5	4.5-5.5	4.0-5.0	4.0-5.0
Delivery State	Dry Powder	Dry Powder	Dry Powder	Dry Powder	Dry Powder	Dry Powder	Dry Powder	Dry Powder
Packing (Kg)	25	25	25	25	25	25	25	25
CHEMICAL ANALYSIS (%)								
Al₂O₃	44-48	57-60	58-62	68-72	72-75	78-82	88-92	93-95
Fe₂O₃	1.2-1.4	0.8-1.0	1.4-1.6	1.5-1.8	1.1-1.3	1.6-2.0	0.8-1.0	0.2-0.4
PHYSICAL PROPERTIES								
Bulk Density (g/cc) after drying at 110°C/ 24h	2.30-2.40	2.55-2.65	2.50-2.65	2.65-2.75	2.70-2.80	2.80-2.95	2.95-3.05	3.00-3.15
CCS (kg/cm²)								
After drying at 110°C/ 24h	400-600	450-600	450-600	450-650	450-650	800-900	500-600	500-600
After Firing at 800°C/3h	700-800	750-900	750-900	750-900	800-1000	900-1000	900-1000	900-1000
After Firing at 1100°C/ 3h	800-900	900-1100	850-950	950-1050	1000-1100	1000-1100	1100-1200	1000-1250
After Firing at 1500°C/ 3h	900-1150	1100-1300	1000-1100	1000-1200	1100-1250	1100-1300	1200-1400	1250-1500
THERMAL PROPERTIES								
Refractoriness (°C/ OC)Min.	1717/32	1804/36+	1785/35+	1804/36+	1804/36+	1804/36+	1820/37+	1835/38+
PLC (%)								
After Firing at 800°C/3h	±0.25	±0.20	-0.1 to -0.25	-0.1 to -0.25	-0.1 to -0.2	-0.1 to -0.25	±0.20	±0.20
After Firing at 1100°C/ 3h	-0.1 to -0.4	-0.15 to -0.3	-0.15 to -0.4	-0.15 to 0.4	-0.15 to -0.35	-0.15 to -0.3	-0.1 to -0.3	-0.1 to -0.3
After Firing at 1500°C/ 3h	-1.0 to -2.0	-0.5 to -0.8	±1.0	±1.5	-1.0 to 0.8	±1.2	±0.8	±0.8