

INSULATING CASTABLES

PRODUCT NAME	AceLyte 4	AceLyte 7	AceLyte 8S	AceLyte 9	AceLyte 10S	AceLyte 11
GENERAL PROPERTIES						
Installation	Tamping	Tamping	Tamping	Tamping	Tamping	Tamping
Shelf Life (Months)	9	9	9	9	9	9
Max. Service Temperature(°C)	1000	1100	1300	1200	1100	1300
Max. Grain Size (mm)	6	6	6	6	6	6
Water Required for Casting(%)	80-100	65-70	45-50	46-52	40-48	36-41
Delivery State	Dry Powder	Dry Powder	Dry Powder	Dry Powder	Dry Powder	Dry Powder
Packing (Kg)	25	25	25	25	25	25
CHEMICAL ANALYSIS (%)						
Fe ₂ O ₃	10-12	7.0-8.5	0.8-1.0	4.5-6.0	4.5-6.0	3.2-3.8
PHYSICAL PROPERTIES						
Bulk Density (g/cc) after drying at 110°C/24h	0.50-0.60	0.80-0.90	0.85-0.95	0.90-1.05	1.00-1.15	1.20-1.35
CCS (kg/cm ²)						
After drying at 110°C/24h	3-5	12-15	25-40	15-20	20-40	30-40
After Firing at 800°C/3h	2-3	3-5	20-35	4-8	15-35	20-30
After Firing at 1100°C/3h	-	4-6	12-18	8-15	12-25	20-30
After Firing at 1300°C/3h	-	-	30-50	-	-	35-45
THERMAL PROPERTIES						
Refractoriness (°C/OC)Min.	-	1337/12	1398/14	1349/13	1337/12	1398/14
PLC (%)						
After Firing at 800°C/3h	-0.3 to -0.5	-0.4 to -0.8	-0.4 to -0.8	-0.4 to -0.8	±0.8	-0.2 to -0.5
After Firing at 1100°C/3h	-0.6 to -1.0	-0.5 to -1.2	±0.5	-0.2 to 1.0 At 1200°C/3h	±1.2	-0.3 to -0.7
After Firing at 1300°C/3h	-	-	±1.5	-	-	-1.5 to 1.0
THERMAL CONDUCTIVITY (W/m.k) max						
At 800°C Hot Face Temperature	0.25	0.35	0.35	0.45	0.40	0.50

NOTE:

1. Size tolerance : ±1.5% or ±2.0% whichever is greater.
2. VRPL does not warrant the accuracy, fitness for purpose or updates of any information disclosed herein. Specification of the products may change based on the geographical area to be supplied.
3. Max. & Min. Values are given separately for testing purposes.
4. Data shown are based on average results of production samples and are subject to normal variation during individual tests.
5. The information contained herein are exclusive property of VRPL.