

ARMORKAST XPUR/AL ADTECH®

Product Data

Ref:259/01/03/13

Description: Low Cement, 90% Alumina Castable for Aluminum Applications.

- Features:**
- High density and low porosity.
 - Low cement, Low moisture castable.
 - Outstanding corundum resistance.

- Uses:**
- Aluminium contact applications.
 - Aluminium furnace belly-band.
 - Other high-wear or critical areas.

Chemical Analysis: Approximate (Calcined Basis)

Silica - SiO ₂	0.1%
Alumina - Al ₂ O ₃	91.5%
Iron Oxide - Fe ₂ O ₃	0.1%
Lime - CaO	3.0%
Magnesia - MgO	0.1%
Alkalies - Na ₂ O + K ₂ O	0.3%
Barium - BaO	4.9%

Physical Properties

	Vibration Cast
Maximum Recommended Temperature	1371°C
Quantity Required	3040 Kgs/m ³
Water required for mixing per 100 Kgs	5.0 Litres Approximately
Bulk Density	Kgs/m ³
After Heating at 105°C	3140
Modulus of Rupture - ASTM C133 and C865	MPa
After Heating at 105°C	10.3
72 Hour Aluminum Cup Test Using 7075 Aluminum Alloy @ 816°C	
Penetration	None
Adherence	Strong
Fe Pickup, wt. %	0.11%
Si Pickup, wt. %	0.01%
Shelf Life (Under Proper Storage Conditions)	180 days

Note: The test data shown are based on average results of control tests and are subject to normal variation on individual tests. These results cannot be taken as maximum or minimum requirements for specification purposes.

MSDS, Installation Guidelines and Dry Out Schedules are also available.