



# ASSOCIATED REFRACTORIES MANUFACTURER SDN. BHD. (216635-V)

LOT PT 521, (LOT 3421), BATU 23, JALAN BATANG BERJUNTAI, 48000 RAWANG, SELANGOR DARUL EHSAN, MALAYSIA.  
TEL: 603-6091 2734, 6092 5276, 6092 7409 FAX: 603-6091 2749  
E-mail: armsb@po.jaring.my Website: www.arm.com.my

## TECHNICAL DATA

**PRODUCT NAME:** HY-RAM 60

**PRODUCT DESCRIPTION:** High Duty Mouldable

**APPLICATIONS:** Boilers, incinerators, Heat treatment Furnaces

**Max. Service Temp.:** 1600°C      **Cone refractoriness:** 1760°C

**Installation Method:** Ramming      **Setting:** Heat Setting

**Installed Yield:** 2350-2450 k/m<sup>3</sup>      **Maximum Grain Size:** 6mm

**Water Addition:** None required      **Curing Time:** None required

**Normal Packing:** 25kg cartons

### PHYSICAL PROPERTIES (After Firing)

All Physical Test Data Values are on Cast Samples.

Firing Temp. °C	Bulk Density ASTM C134 Kg/m <sup>3</sup>	Cold Crushing Strength ASTM C133 Kg/cm <sup>2</sup>	Permanent Linear Change ASTM C113 %
110	2250	30 - 50	-1.30
Max Temp	2190	150 - 200	+0.30

### THERMAL CONDUCTIVITY (BS 1902)

Mean Temp °C	W/mk	W/mk	W/mk
600	1.32	1.36	

### CHEMICAL ANALYSIS % (XRF)

SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	
47 - 49	49 - 51	0.8 - 1.4	

The above data are typical results of laboratory test. They are thus representative for guidance only and therefore do not constitute a Specification or form part of a Contract.