



**VARSHA**  
REFRACTORIES PVT. LTD.



**REFRACTORY MORTAR**

**PRODUCT:** HS FIRECLAY MORTAR  
**TYPE:** 40 % ALUMINA HIGH STRENGTH MORTAR  
**NATURE OF BOND:** AIR SETTING

**GENERAL PROPERTIES**

Maximum Service Temperature: 1500 °C  
Sintering Temperature: 1100 °C  
Maximum Grain Size: 0.5 mm  
Binder (Sp. Gr. 1.15) for Trowelling Consistency, %: 30 – 40 %

**CHEMICAL ANALYSIS, %**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al <sub>2</sub> O <sub>3</sub>	35.0 – 40.0	36.5	BIS 12107 Part 3
Fe <sub>2</sub> O <sub>3</sub>	1.2 – 1.6	1.40	BIS 12107 Part 6

**PHYSICAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Cold Bonding Strength, kg/cm <sup>2</sup>	10 – 15	13	BIS 11452
Retained Above Maximum Size, %	1 – 5	1.20	BIS 1528 Part 14

**THERMAL PROPERTIES**

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Pyrometric Cone Equivalent, Orton / °C	---	+ 28 / + 1646	BIS 1528 Part 1

Packaging: **40 Kg Bags**      Storage Life: **12 Months**      Delivery State: **Dry**

**AUTH. CHANNEL PARTNER - VARSHA REFRATORIES PVT. LTD.**

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