

## Technical Data Sheet

### REFRACTORY MORTARS

#### General Description:

Refractory mortars are used to joint bricks in refractory lining constructions. Dirgodaz Amol Industries Co, manufactures various types of refractory mortars according to its service temperature and alumina content. Dry types of air and heat setting mortars were developed based on alumino- silicate compositions. Dry mortars are supplied as two component system including of liquid binder and dry powder.

#### Advantages & Characteristics:

These products are characterized by following properties: High bonding strength, good compatibility, creamy and consistency, water retention and workability, troweling and dipping characteristics and low shrinkage.

#### Typical applications:

These products are used for laying dense and insulation firebricks of refractory lining.

#### Technical Specifications:

The following data represents typical average values of each physical, chemical and mechanical properties for refractory mortars, which also are subject to normal tolerances. Also new products can be developed to achieve the specific customer technical specification and design requirements for some types of industrial applications.



Property	S.T	M.O.R of joint (kg/cm <sup>2</sup> )		Max Grain Size (mm)	Chemical Analysis (%)		
		110°C	1093°C		Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>
Code	(°C)						
SD-M3	1200	≥ 3	≥ 7	≤ 0.6	≥ 25	≤ 2	≤ 70
SD-M4	1260	≥ 3	≥ 7	≤ 0.6	≥ 35	≤ 1.5	≤ 60
SD-M5	1320	≥ 3	≥ 7	≤ 0.6	≥ 40	≤ 1.5	≤ 55
SD-M6/1	1430	≥ 4	≥ 7	≤ 0.6	≥ 50	≤ 1.5	≤ 45
SD-M6/2	1540	≥ 4	≥ 7	≤ 0.6	≥ 60	≤ 1.5	≤ 35
SD-M7/1	1650	≥ 5	≥ 8	≤ 0.6	≥ 70	≤ 1	≤ 25
SD-M7/2	1760	≥ 6	≥ 9	≤ 0.6	≥ 80	≤ 1	≤ 15