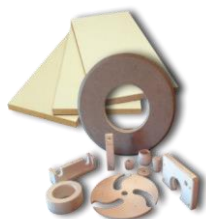


Calcium Silicates



	Cals HD	Cal-Sil		Monolux		Monalite	
		1000	1100	500	800	M1	M1A
Classification Temperature, °C	500	1000	1100	500	800	850	1000
Density, kg/m3	900	245	285	770	950	850	970
Permanent Linear Shrinkage, %	0,25	1,3	1,5	0,29/0,68	0,4/2	(1) 0,1/0,4	(1) 0,01/0,05
Cold Compressive Strength, MPa	9,3	1,4	1,9	11,5/13,4	22,9/27,2	(2) 15	(3) 18
Flexural Strength, MPa	7,6	0,5	0,8	7	10	8	10
Specific Heat, kJ/kg.K	0,92	1,03	1,05	-	-	-	-
Thermal Conductivity, W/m.K							
25°C	-	-	-	0,18	0,35	-	-
100°C	0,19	-	-	-	-	-	-
200°C	0,21	0,07	0,07	0,19	0,30	0,22	0,28
300°C	0,22	-	-	-	-	-	-
400°C	0,23	0,10	0,10	-	-	0,23	0,27
500°C	-	-	-	0,20	0,31	-	-
600°C	-	0,14	0,14	-	-	-	-
750°C	-	-	-	-	-	0,26	0,27
800°C	-	0,17	0,18	-	0,33	-	-
Standard Sizes, mm							
Available Thicknesses, mm	2500x1250	1000x500	2440x1220		1500x1220		
	6-8-10-12-15-20-25	25-30-40-50-60-80-100-160	12,7-19,1-25,4-31,8 38,1-50,8		10-12-20-25-30 40-50		
Manufacturer		Promat					

(1) length, width / thickness

(2) deformation 5% / 10 %

(3) deformation 10%

Calcium Silicate boards have excellent workability with numerical control machines, low thermal conductivity and are completely self-supporting.

Classification Temperature: 500-800-1000-1100°C

Monalite boards are ideal for contact with non-ferrous metals

Classification Temperature: 850-1000°C