



# Vulcasil A and Sandwich Tile

Please contact Vulcan Refractories for further information, or with your requirements for these products.

## VULCASIL A - ALUMINA [up to 50%]:

Product Reference	Description	Chemical Analysis %			Bulk Density g/cm <sup>3</sup>
		Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Other	
		Wt %	Wt %	Wt %	
ARP01	A 42% Alumina pressed refractory with low iron content.	42	55	3	2.0
ARP21	A high quality 42% Alumina pressed refractory.	42	54	4	2.1
ARC02	A 48% chemical-cast alumina material with low iron content and good resistance to carbon monoxide attack.	48	49	3	2.1

Product Reference	Apparent Porosity	Modulus of Rupture	Thermal Conductivity @1200 C	Maximum Service Temperature	Typical applications	Comments
	%	MPa	W/m <sup>2</sup> K	°C		
ARP01	22	40	1.2	1250	Element supports and other small intricate shapes.	Pressed
ARP21	22	45	1.5	1350	Carburising furnace hot face linings, element supports, muffles for ceramic kilns, walls and hearth of phosphate kilns.	Pressed
ARC02	20	35	1.5	1350/1650 continuous/transient	Special shapes for general kiln construction, low duty superalloy contact applications and phosphate kiln walls.	Cast

## VULCASIL - SANDWICH TILE

Product Reference	Description	Chemical Analysis %		Bulk Density g/cm <sup>3</sup>
		Wt %		
		Sandwich Tile S6465	A "Sandwich" tile comprised of a high strength silicon carbide centre layer coated with high purity mullite on the surfaces.	
Surfaces: High purity mullite				2.6

Product Reference	Apparent Porosity	Modulus of Rupture	Thermal Conductivity @1200 C	Maximum Service Temperature	Typical applications	Comments
	%	MPa	W/m <sup>2</sup> K	°C		
Sandwich Tile S6465	18	15	15	1500	A sandwich tile batt offering excellent strength, good heat transfer and high purity oxide surface layers. Developed for use as kiln furniture in the firing of ferrites.	-
	18	15	5			



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