



Blade Speed Guide – Material Specific

Property of the material to be cut is one of the most important factors concerning optimum saw selection. Materials of similar appearance, composed of different ingredients which result in varying properties, require completely different saw designs. The following table is a general guideline for selecting optimum bonding materials, saw peripheral speeds, and saw types relating to each material to be cut.

Material	Peripheral Speed		Bond Hardness 1 – 10 (Soft – Hard)
	m/min.	m/sec.	
Limestone	1,800 - 2,500	30 - 42	1 - 3
Marble	1,800 - 2,500	31 - 42	1 - 3
Tuff	1,800 - 2,500	32 - 42	8 - 10
Sandstone	1,800 - 2,500	33 - 42	8 - 10
Marble Terrazzo	1,800 - 2,500	34 - 42	1 - 3
Chamotte Brick	1,800 - 2,500	35 - 42	8 - 10
Granite Terrazzo	1,500 - 2,300	25 - 38	3 - 5
Slate	1,500 - 2,300	25 - 38	5 - 7
Graphite	1,500 - 2,300	25 - 38	5 - 7
Alumina Brick	1,500 - 2,300	25 - 38	6 - 8
Basalt	1,500 - 2,300	25 - 38	5 - 7
Andesite	1,200 - 2,300	20 - 38	5 - 7
Black Granite	1,200 - 2,300	20 - 38	5 - 7
Soft Electrocast Brick	1,200 - 2,300	20 - 38	5 - 7
Granite	1,000 - 2,300	17 - 38	3 - 7
Silicon Carbide Brick	1,000 - 1,800	17 - 30	6 - 8
Hard Electrocast Brick	1,000 - 1,800	17 - 30	3 - 5

