

# DIAMOND BLADE APPLICATION CHART

		HIGHER		PERFORMANCE / LIFE / SPEED			LOWER
HARD MATERIALS	RANGE	1000 Expert	800 Expert	600 Pro	400 Pro	200 Trade	100 Value
	CODE	XMATH	SC10	LWE10	VH10	MXT30	VXT30
	TYPE	LASER SEGMENTED MATRIX	LASER SEGMENTED	LASER SEGMENTED	LASER SEGMENTED	TURBO CONTINUOUS RIM	TURBO CONTINUOUS
	HARDER	STEEL REBAR & BOX SECTIONS	x	x	x	x	x
		DUCTILE IRON	★★★	★★★	★★★	★★★	x
		ALUMINIUM	x	x	x	x	x
		PORCELAIN (PEI HARDNESS CLASS 1-5)	x	x	x	x	x
		PORCELAIN (PEI HARDNESS CLASS 1-3)	x	x	x	x	x
		ENGINEERED ARTIFICIAL STONE	x	x	x	x	x
		GRANITE	★★★	★★★	★★★	★★★	★★
		QUARTZITE	★★★	★★★	★★★	★★★	x
		HEAVILY STEEL REINFORCED CONCRETE	★★★★	★★★★	★★★★	★★★★	★★
		CRITICALLY HARD AGGREGATE CONCRETE (FLINT, CHERT)	★★★★	★★★★	★★★★	★★★★	★★
	MATERIAL HARDNESS	HARD-MED AGGREGATE CONCRETE (CHERT, TRAP ROCK, RIVER GRAVEL)	★★★★	★★★★	★★★★	★★★★	★★
		MEDIUM AGGREGATE CONCRETE (TRAPROCK - QUARTZ)	★★★★	★★★★	★★★★	★★★★	★★
		SOFT-MEDIUM AGGREGATE CONCRETE (GRANITE, LIMESTONE)	★★★	★★★★	★★★★	★★★★	★★
		CLASS A ENGINEERING BRICK 125 N/MM²	★★★★	★★★★	★★★★	★★★★	★★
		CERAMIC TILES	x	x	x	x	x
		REFRACTORY BRICK	★★★	★★★	★★★	★★★	★★★
		CLAY PIPE - ROOF TILES	★★★★	★★★★	★★★★	★★★★	★★★★
		CLAY PAVIOURS	★★★★	★★★★	★★★★	★★★★	★★★★
		QUARRY TILES	★★★★	★★★★	★★★★	★★★★	★★★★
		TERRACOTTA	★★★★	★★★★	★★★★	★★★★	★★★★
	SOFTER	INDIAN STONE (KOTA)	★★★★	★★★★	★★★★	★★★★	★★★★
		TRAVERTINE	★★★★	★★★★	★★★★	★★★★	★★★★
		PORPHYRY	★★★★	★★★★	★★★★	★★★★	★★★★
		CLASS B ENGINEERING BRICK 75N/MM²	★★★★	★★★★	★★★★	★★★★	★★★★
		BASALT	★★★★	★★★★	★★★★	★★★★	★★★★
		HARD LIMESTONE	★★★★	★★★★	★★★★	★★★★	★★★★
		FIBRE CEMENT BOARD	x	x	x	x	x
		DENSE COMPOSITE MATERIALS	x	x	x	x	x
		PLASTICS - GRP - FIBREGLASS	x	x	x	x	x
		LIMESTONE AGGREGATE CONCRETE	★★★★	★★★★	★★★★	★★★★	★★★★
	LAMINATED & MELAMINE SURFACES	x	x	x	x	x	
	LIGHTLY REINFORCED CONCRETE	★★★★	★★★★	★★★★	★★★★	★★★★	
	CONCRETE PAVIOURS - KERBS - SLABS	★★★★	★★★★	★★★★	★★★★	★★★★	
	CONCRETE ROOF TILES - PIPES	★★★★	★★★★	★★★★	★★★★	★★★★	
	HARD FACING BRICK	★★★	★★★★	★★★★	★★★★	★★★★	
	MEDIUM FACING BRICK	★★★★	★★★	★★★	★★★★	★★★	
	SOFT FACING BRICKS	★★★	★★★★	★★★★	★★★	★★★	
	CONCRETE BLOCKS OVER 15N/MM²	★★★	★★★	★★★	★★★	★★★	
	HARD SLATE	★★★★	★★★	★★★	★★★	★★★★	
	SOFT SLATE	★★★	★★★	★★★	★★★	★★★	
	MARBLE	★★★	★★★	★★★	★★★	★★★	
	HARD SANDSTONE (FINE GRIT)	★★★	★★★	★★★	★★★	★★★	
	MEDIUM SANDSTONE (MEDIUM GRIT)	★★★	★★★	★★★	★★★	★★★	
	SOFT SANDSTONE (COARSE GRIT)	★★	★★	★★	★★	★★	
	CONCRETE SCREED	★★★	★★★	★★★	★★★	★★★	
	PLASTER - GROUT	★★	★★	★★	★★	★★	
	GLUE - PAINT - EPOXY	x	x	x	x	x	
	MORTAR (HARD)	x	x	x	x	x	
	MORTAR (ABRASIVE)	x	x	x	x	x	
	ASPHALT OVER CONCRETE	x	x	x	x	x	
	ASPHALT	x	x	x	x	x	
	CONCRETE BLOCK UNDER 15N/MM²	★★	★★	★★	★★	★	
	THERMAL BLOCK 7 N/MM²	★★	★★	★★	★★	★	
	GREEN CONCRETE UNIVERSAL	x	x	x	x	x	
	GREEN CONCRETE WITH VERY HARD AGGREGATE	x	x	x	x	x	
	GREEN CONCRETE WITH MEDIUM HARD AGGREGATE	x	x	x	x	x	
	GREEN CONCRETE WITH MEDIUM SOFT AGGREGATE	x	x	x	x	x	
	LIGNACITE BLOCKS	x	x	x	x	x	
	LAVA ROCK	x	x	x	x	x	
	PUMICE	x	x	x	x	x	

★★★★	CORRECT BOND FOR APPLICATION OPTIMAL PERFORMANCE, SPEED & LIFE
★★★	GOOD MATCH BOND FOR APPLICATION EXCELLENT PERFORMANCE, SPEED & LIFE
★★	ACCEPTABLE BOND FOR APPLICATION REDUCED PERFORMANCE, SPEED & LIFE
★	OCCASIONAL USE ONLY - MUCH REDUCED PERFORMANCE - SPEED & SHORT LIFE - GLAZING & PREMATURE WEAR WILL OCCUR

IF A DIAMOND TOOLS STARTS TO SLOW DOWN OR STOPS CUTTING WHEN CUTTING PRODUCTS NOT IDEALLY SUITED, DRESS THE BLADE BY USING IT IN A NORMAL MANNER ON ABRASIVE PRODUCTS SUCH AS ABRASIVE COARSE SANDSTONE OR ASPHALT TO DRESS THE DIAMONDS & OPEN UP THE BOND. THIS MAY NEED TO BE REPEATED WHEN NEEDED.

WHEN USING A DIAMOND TOOL & EXCESSIVE SPARKS ARE BEING CREATED OR SIGNS OF WHEEL "WOBBLE" THEN STOP USING IMMEDIATELY & USE A BLADE WITH A SOFTER BOND IDEALLY SUITED TO THE APPLICATION.