

DIAMOND BLADE APPLICATION CHART

		HIGHER		PERFORMANCE / LIFE / SPEED			LOWER
GENERAL PURPOSE		800 Expert	600 Pro	400 Pro	200 Trade	100 Value	
		SC30	LWE30	VGP30	MX30	VX30	
		LASER SEGMENTED	LASER SEGMENTED	LASER SEGMENTED	SEGMENTED	SEGMENTED	
HARDER	STEEL REBAR & BOX SECTIONS	x	x	x	x	x	x
	DUCTILE IRON	★	★	★	x	x	x
	ALUMINIUM	x	x	x	x	x	x
	PORCELAIN (PEI HARDNESS CLASS 1-5)	x	x	x	x	x	x
	PORCELAIN (PEI HARDNESS CLASS 1-3)	x	x	x	x	x	x
	ENGINEERED ARTIFICIAL STONE	x	x	x	x	x	x
	GRANITE	★★	★★	★★	x	x	x
	QUARTZITE	★★	★★	★★	x	x	x
	HEAVILY STEEL REINFORCED CONCRETE	★	★	★	x	x	x
	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	x
	REFRACTORY BRICK	★★	★★	★★	★★	★★	★★
	CLAY PIPE - ROOF TILES	★★	★★	★★	★	★	★
	CLAY PAVIOURS	★★	★★	★★	★	★	★
	QUARRY TILES	x	x	x	x	x	x
	TERRACOTTA	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
	INDIAN STONE (KOTA)	x	x	x	x	x	x
	TRAVERTINE	★★	★★	★★	★★	★★	★★
	PORPHYRY	★★	★★	★★	★★	★★	★★
	CLASS B ENGINEERING BRICK 75N/MM²	★★★★	★★★★	★★★★	★★	★★	★★
	BASALT	★★★	★★★	★★★	★★★	★★★	★★★
	HARD LIMESTONE	★★★	★★★	★★★	★★★	★★★	★★★
	FIBRE CEMENT BOARD	x	x	x	x	x	x
	DENSE COMPOSITE MATERIALS	x	x	x	x	x	x
	PLASTICS - GRP - FIBREGLOSS	x	x	x	x	x	x
	SOFTER	LIMESTONE AGGREGATE CONCRETE	★★★★	★★★★	★★★★	★★★★	★★★★
LAMINATED & MELAMINE SURFACES		x	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	x
MORTAR (HARD)		★★	★★	★★	★★	★★	★★
MORTAR (ABRASIVE)		★★	★★	★★	★★	★★	★★
ASPHALT OVER CONCRETE	★★	★★	★★	★	★	★	
ASPHALT	★	★	★	x	x	x	
CONCRETE BLOCK UNDER 15N/MM²	★★	★★	★★	★★★	★★★	★★★	
THERMAL BLOCK 7 N/MM²	★★	★★	★★	★★	★★	★★	
GREEN CONCRETE UNIVERSAL	★	★	★	x	x	x	
GREEN CONCRETE WITH VERY HARD AGGREGATE	★	★	★	x	x	x	
GREEN CONCRETE WITH MEDIUM HARD AGGREGATE	★	★	★	x	x	x	
GREEN CONCRETE WITH MEDIUM SOFT AGGREGATE	★	★	★	x	x	x	
LIGNACITE BLOCKS	★★	★★	★★	x	x	x	
LAVA ROCK	★	★	★	★★	★★	★★	
PUMICE	★	★	★	★★	★★	★★	

★★★★	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.