

HARD MATERIALS	RANGE CODE TYPE	HIGHER	PERFORMANCE / LIFE / SPEED	LOWER
		300 TRADE	300 TRADE	300 TRADE
		TCW	DRCW	SCRW
		30/40# MESH TURBO GRINDER	60/80# MESH DOUBLE ROW GRINDER	60/80# MESH SINGLE ROW GRINDER
HARDER	RAILTRACK	x	x	x
	STEEL LINTELS	x	x	x
	STEEL REBAR & BOX SECTIONS	x	x	x
	DUCTILE IRON	x	x	x
	ALUMINIUM	x	x	x
	PORCELAIN (PEI HARDNESS CLASS 1-5)	x	x	x
	PORCELAIN (PEI HARDNESS CLASS 1-3)	x	x	x
	ENGINEERED ARTIFICIAL STONE	x	x	x
	GRANITE	***	***	***
	QUARTZITE	***	***	***
MATERIAL HARDNESS	HEAVILY STEEL REINFORCED CONCRETE	x	x	x
	CRITICALLY HARD AGGREGATE CONCRETE (FLINT, CHERT)	****	****	****
	HARD-MED AGGREGATE CONCRETE (CHERT, TRAPROCK, RIVER)	****	****	****
	MEDIUM AGGREGATE CONCRETE (TRAPROCK - QUARTZ)	****	****	****
	SOFT-MEDIUM AGGREGATE CONCRETE (GRANITE, LIMESTONE)	****	****	****
	CLASS A ENGINEERING BRICK 125 N/MM²	**	**	**
	CERAMIC TILES	x	x	x
	REFRACTORY BRICK	**	**	**
	CLAY PIPE - ROOF TILES	*	*	*
	CLAY PAVIOURS	*	*	*
	QUARRY TILES	*	*	*
	TERRACOTTA	****	****	****
	INDIAN STONE (KOTA)	**	**	**
	TRAVERTINE	**	**	**
	PORPHYRY	**	**	**
	CLASS B ENGINEERING BRICK 75N/MM²	**	**	**
	BASALT	**	**	**
	HARD LIMESTONE	****	****	****
	FIBRE CEMENT BOARD	x	x	x
	DENSE COMPOSITE MATERIALS	x	x	x
	PLASTICS - GRP - FIBREGLASS	x	x	x
	LIMESTONE AGGREGATE CONCRETE	****	****	****
	LAMINATED & MELAMINE SURFACES	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	*	*	*
	MORTAR (HARD)	x	x	x
MORTAR (ABRASIVE)	x	x	x	
ASPHALT OVER CONCRETE	x	x	x	
ASPHALT	x	x	x	
CONCRETE BLOCK UNDER 15N/MM²	**	**	**	
THERMAL BLOCK 7 N/MM²	**	**	**	
GREEN CONCRETE UNIVERSAL	x	x	*	
GREEN CONCRETE WITH VERY HARD AGGREGATE	x	x	*	
GREEN CONCRETE WITH MEDIUM HARD AGGREGATE	x	x	*	
GREEN CONCRETE WITH MEDIUM SOFT AGGREGATE	x	x	*	
LIGNACITE BLOCKS	x	x	*	
LAVA ROCK	x	x	*	
PUMICE	x	x	*	
SOFTER				

- ★★★★ 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.