

# DRY CORE DRILL APPLICATION CHART

		HIGHER	PERFORMANCE / LIFE / SPEED	LOWER
<b>UNIVERSAL &amp; MULTI MATERIALS</b>	RANGE	1000 Expert		
	CODE	XMATSD		
	TYPE	DRY SOCKET CORE DRILL		
HARDER	RAILTRACK		×	
	STEEL LINTELS		×	
	STEEL REBAR & BOX SECTIONS		×	
	DUCTILE IRON		★★	
	ALUMINIUM		×	
	PORCELAIN (PEI HARDNESS CLASS 1-5)		×	
	PORCELAIN (PEI HARDNESS CLASS 1-3)		×	
	ENGINEERED ARTIFICIAL STONE		×	
	GRANITE		★★★	
	QUARTZITE		★★★	
	HEAVILY STEEL REINFORCED CONCRETE		★★★	
	CRITICALLY HARD AGGREGATE CONCRETE (FLINT, CHERT)		★★★	
	HARD-MED AGGREGATE CONCRETE (CHERT, TRAPROCK, RIVER)		★★★★	
	MEDIUM AGGREGATE CONCRETE (TRAPROCK - QUARTZ)		★★★★	
	SOFT-MEDIUM AGGREGATE CONCRETE (GRANITE, LIMESTONE)		★★★★	
MATERIAL HARDNESS	CLASS A ENGINEERING BRICK 125 N/MM <sup>2</sup>		★★★★	
	CERAMIC TILES		×	
	REFRACTORY BRICK		★★★	
	CLAY PIPE - ROOF TILES		★★★	
	CLAY PAVIOURS		★★★	
	QUARRY TILES		★★	
	TERRACOTTA		★★★★	
	INDIAN STONE (KOTA)		★★★	
	TRAVERTINE		★★★	
	PORPHYRY		★★★	
	CLASS B ENGINEERING BRICK 75N/MM <sup>2</sup>		★★★★	
	BASALT		★★★	
	HARD LIMESTONE		★★★★	
	FIBRE CEMENT BOARD		×	
	DENSE COMPOSITE MATERIALS		×	
SOFTER	PLASTICS - GRP - FIBREGLASS		×	
	LIMESTONE AGGREGATE CONCRETE		★★★★	
	LAMINATED & MELAMINE SURFACES		×	
	LIGHTLY REINFORCED CONCRETE		★★★★	
	CONCRETE PAVIOURS - KERBS - SLABS		★★★★	
	CONCRETE ROOF TILES - PIPES		★★★★	
	HARD FACING BRICK		★★★★	
	MEDIUM FACING BRICK		★★★★	
	SOFT FACING BRICKS		★★★	
	CONCRETE BLOCKS OVER 15N/MM <sup>2</sup>		★★★★	
	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)		×		
MORTAR (ABRASIVE)		×		
ASPHALT OVER CONCRETE		★★		
ASPHALT		*		
CONCRETE BLOCK UNDER 15N/MM <sup>2</sup>		★★★		
THERMAL BLOCK 7 N/MM <sup>2</sup>		★★★		
GREEN CONCRETE UNIVERSAL		*		
GREEN CONCRETE WITH VERY HARD AGGREGATE		*		
GREEN CONCRETE WITH MEDIUM HARD AGGREGATE		*		
GREEN CONCRETE WITH MEDIUM SOFT AGGREGATE		*		
LIGNACITE BLOCKS		★★		
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.