

ENGINEERED & ULTRA-COMPACT SURFACES

Recommended starting parameters
for professional bridge saw applications.

Dekton • Lapitec • Neolith • comparable ultra-compact surfaces

BASE FEED — 20 mm STRAIGHT CUT

Material family	Feed
Engineered Quartz	3.0–7.0 m/min
Ultra-Compact Surfaces - Light	1.5–2.8 m/min
Ultra-Compact Surfaces - Coloured / Dark	2.0–3.3 m/min

FEED ADJUSTMENT

45° miter **× 0.40-0.60**

30 mm thickness **× 0.70-0.90**

For 30 mm at 45°, apply both corrections in sequence.

PERIPHERAL SPEED & RPM

Family	m/s	Ø350 RPM	Ø400 RPM	Ø450 RPM
Engineered Quartz	30–40	1 640–2 180	1 430–1 910	1 270–1 700
Ultra-Compact Surfaces	44–57	2 400–3 110	2 100–2 720	1 870–2 420

DEKTON / ULTRA-COMPACT

PERFORMANCE & BLADE LIFE

Operating mode	m/s	Ø350 RPM	Ø400 RPM	Ø450 RPM	Feed	Expected effect
HIGH PRODUCTIVITY	~44 m/s	2 400	2 100	1 870	2.0–2.5 m/min	Maximum productivity
BALANCED	~50 m/s	2 730	2 400	2 120	1.7–2.0 m/min	Productivity / blade-life balance
LONG LIFE	~57 m/s	3 110	2 700	2 420	1.5–1.7 m/min	Expected longer blade life

Increasing RPM while reducing feed is expected to improve blade life, accepting lower productivity.

PRACTICAL ADJUSTMENTS

CHIPPING	Reduce feed / verify water	WANDERING	Check alignment / reduce feed	VIBRATION	Check rigidity / reduce feed
GLAZING	Reduce RPM / dress if needed	TEMPERATURE	Improve cooling / reduce feed	STABLE CUT	Increase feed progressively