

Cutting Options for Dintel Constructions System

Options Tested on Dintel 200mm profile – Nov 2016

	Hilti Tool & Blade Options	Cut Depth	Hilti Comments, Findings	Dintel Rating				
				110	155	200	275	
A	AG125-A22 Angle Grinder with Cutting Disc AC-D 125 Inox UP 1.0mm	34mm max	- Smooth Cut - Slight burn rub to edges.					
B	AG125-A22 Angle Grinder with Diamond Disc EQD SPX 125/22 universal	34mm max	- Smoothest Cut - Plastic accumulates on disc but can be remove by cutting concrete					
C	SCM 22-A Circular Saw with SC-C MU 165x20 z40 A	57mm max	- Rougher edges - Fast but low quality cut					
D	SCW 22-A Circular Saw with SCB WU 165x20 z24 A	57mm max	- Rougher edges - Allows to push the tool harder					
E	SC 70W-A22 Circular Saw with W-CSC 190x30 z24A	70mm max	- Smoother cut than SCW 22-A - Lower quality cut than angle grinders					
F	WSR 22-A Reciprocating Saw with SRB metal UD20 or UD30	200mm/300mm max	- Fast, easy but rough cut - Vibrates, strong grip required for deep straight cuts					
G	WSR 22-A Reciprocating Saw with SRB wood UD20 or UD30	200mm/300mm max	- Roughest cut, can splinter panel edge - Too much vibration for a smooth cut					



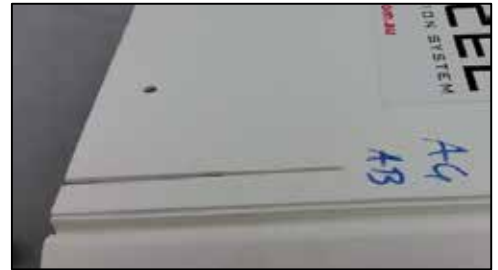
Cutting Test – Dincel 200mm profile tested

Hilti Tools, Blade & Results

A

AG125-A22 Angle Grinder with Cutting Disc AC-D 125 Inox UP 1.0mm

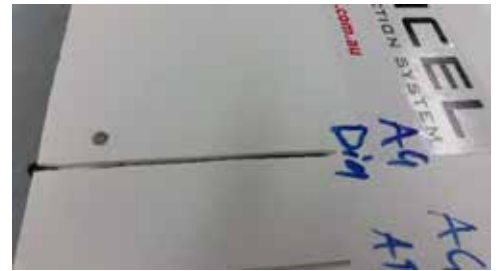
Smooth Cut,
Slight burn rub to edges.



B

AG125-A22 Angle Grinder with Diamond Disc EQD SPX 125/22 universal

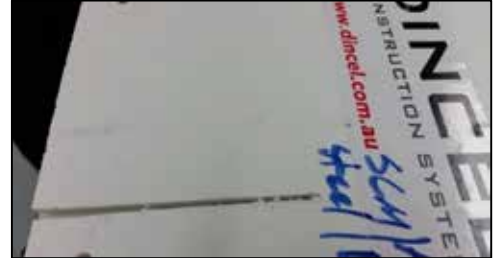
Smoothest Cut
Plastic accumulates on disc but can be remove by cutting concrete



C


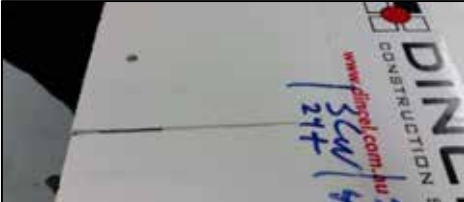

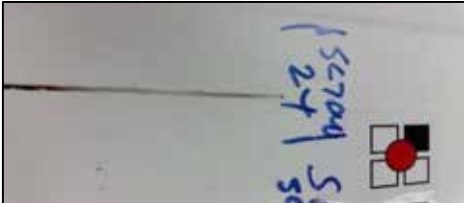

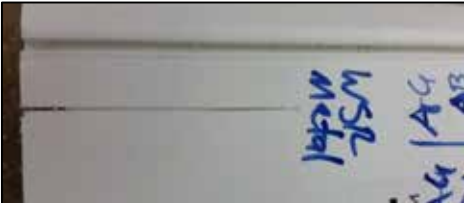
SCM 22-A Circular Saw with SC-C MU 165x20 z40 A

Rougher edges,
Fast but low quality Cut



Cutting Test – Dintel 200mm profile tested

Hilti Tools, Blade & Results

D	<p>SCW 22-A Circular Saw with SCB WU 165x20 z24 A</p> <p>Rougher edges Allows to push the tool harder</p>		
E	<p>SC 70W-A22 Circular Saw with W-CSC 190x30 z24A</p> <p>Smoother deeper cut than SCW 22-A Lower quality cut than angle grinders</p>		
F	<p>WSR 22-A Reciprocating Saw with SRB metal UD20 or UD30</p> <p>Fast, easy but rough cut, Vibrates, Strong grip required for deep straight cuts</p>		
G	<p>WSR 22-A Reciprocating Saw with SRB wood UD20 or UD30</p> <p>Roughest cut, can splinter panel edge Too much vibration for a smooth cut</p>	