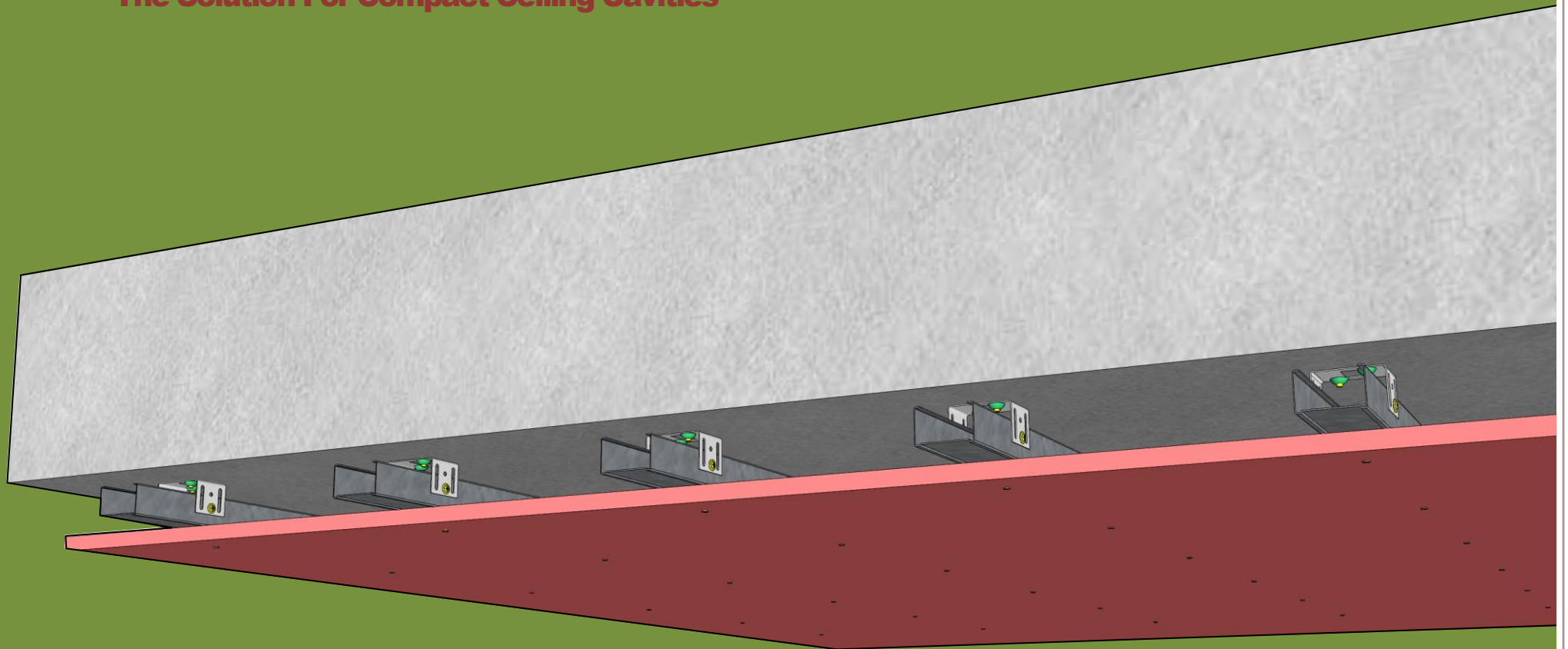


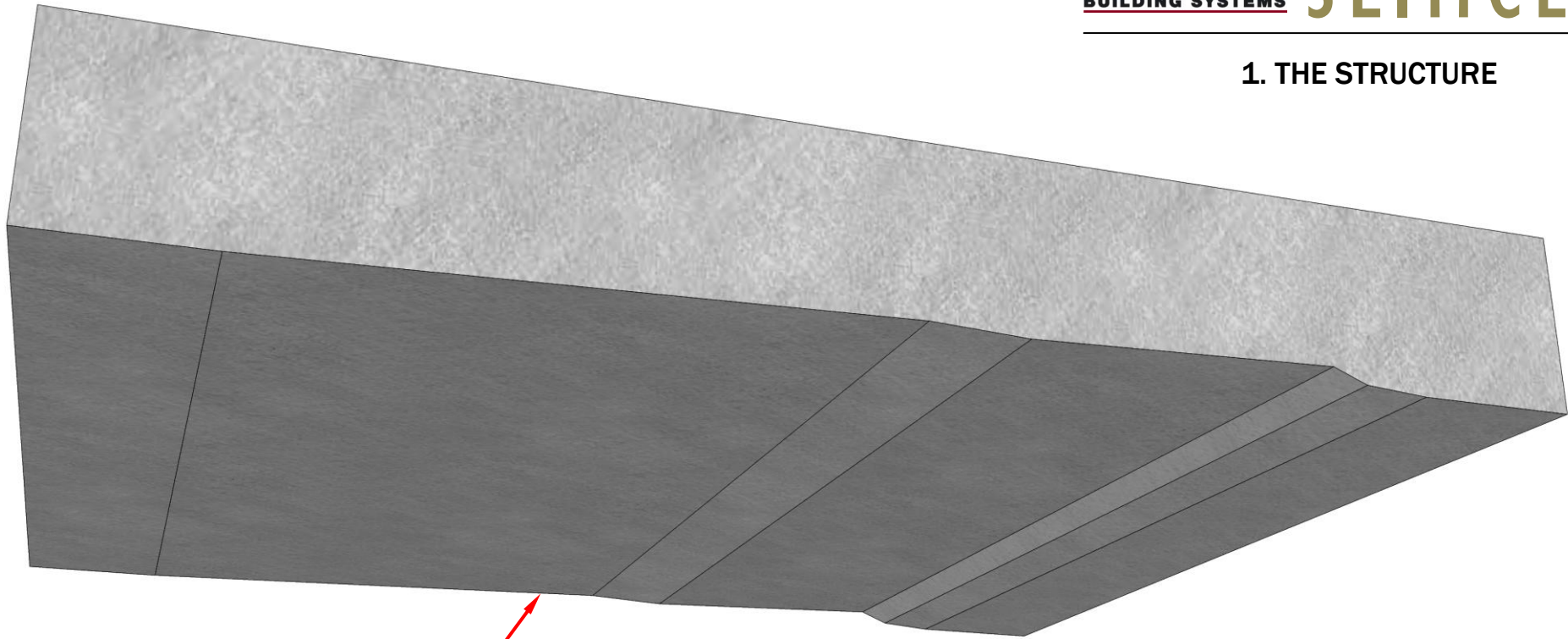
An Introduction To...

STUDCO
BUILDING SYSTEMS

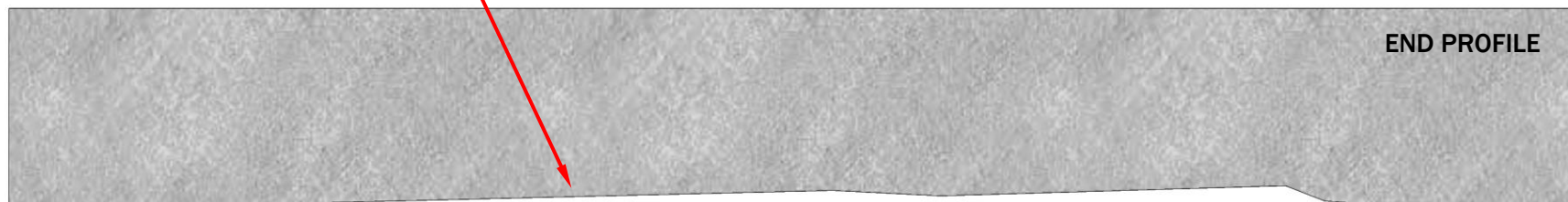
SLIMCEIL

The Solution For Compact Ceiling Cavities

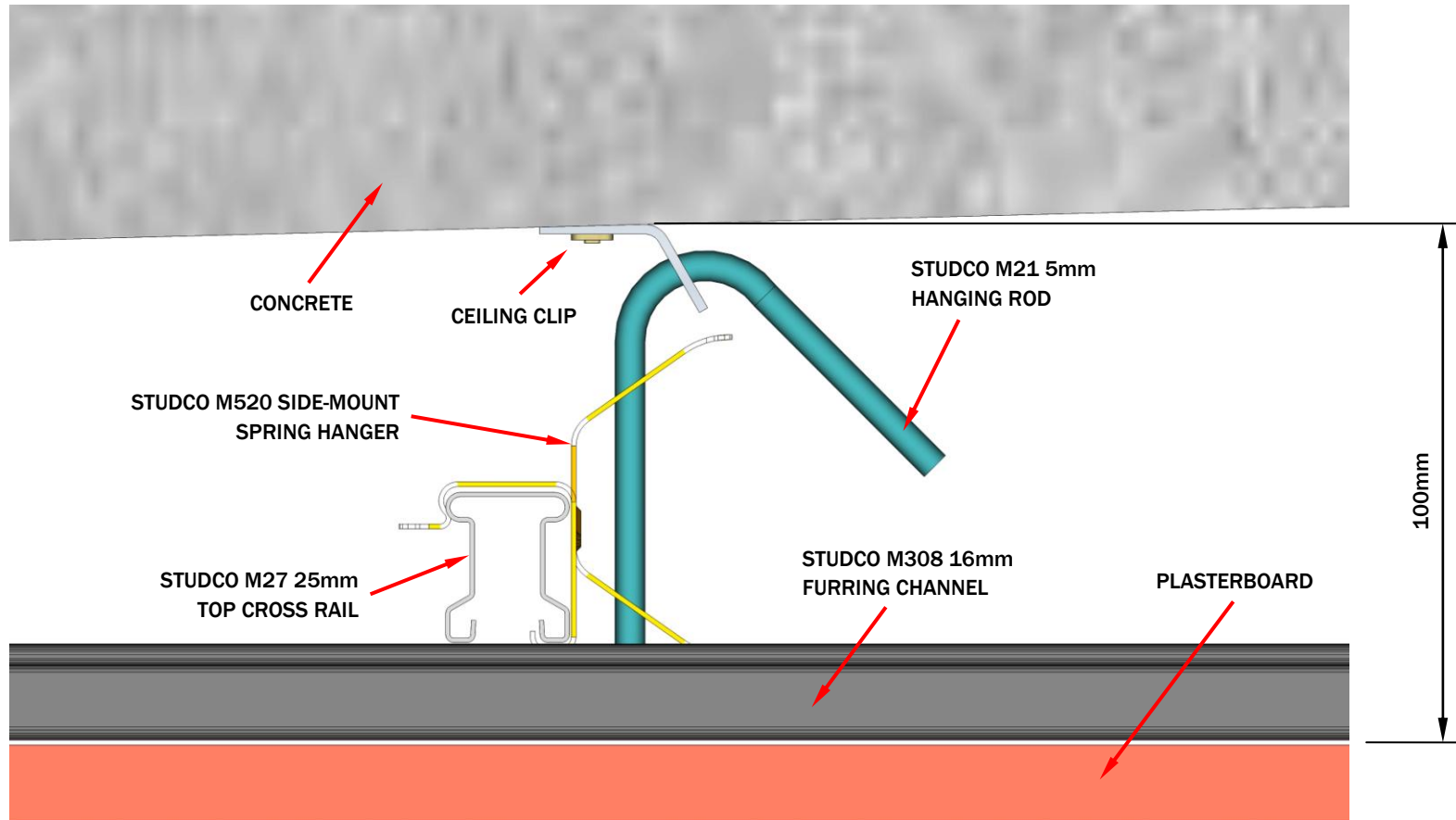


1. THE STRUCTURE

As architects begin looking to cut construction costs and maximize useful building space, ceiling cavities are becoming increasingly smaller. Recent designs have specified suspended ceiling systems to be fitted to concrete substrates with ceiling cavities as small as 40mm to the back of plasterboard ceiling lining. Finish on the concrete structure is often uneven requiring the ceiling system to be fully adjustable yet compact, and without any compromise to ceiling load capacities.

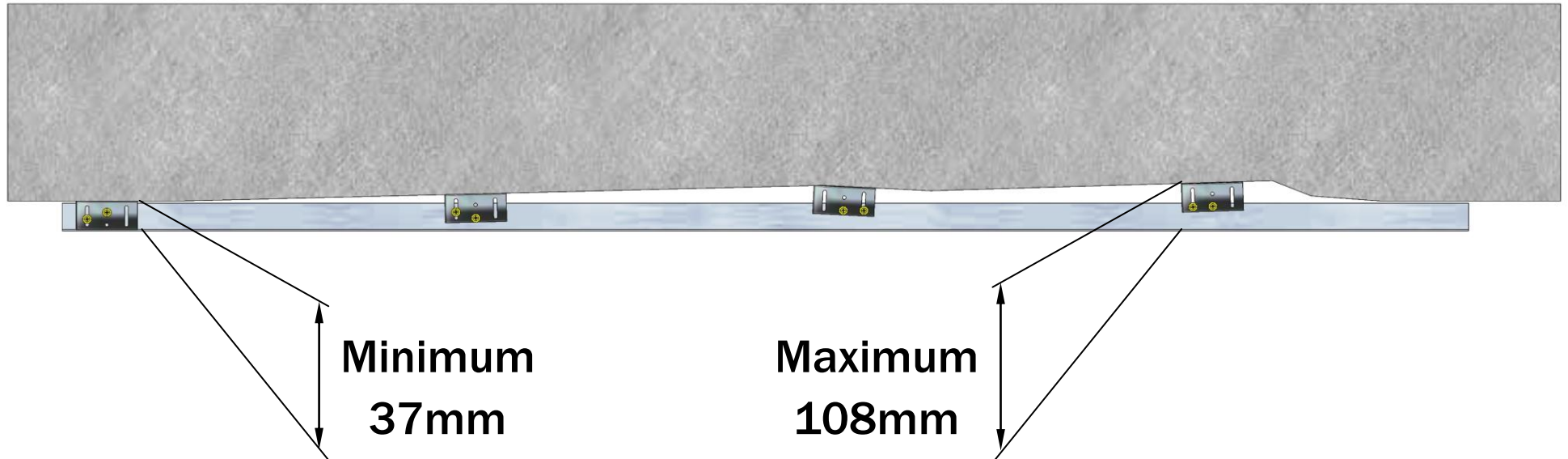


2. STANDARD CEILING SYSTEM



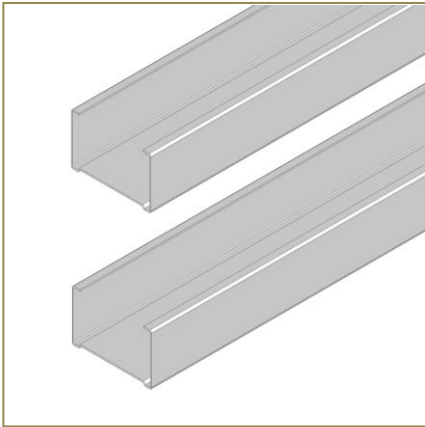
The problem with the standard suspended ceiling system is that the minimum possible ceiling cavity is about 100mm, even when using the Studco M520 side-mount spring hanger, Studco M308 furring channel and a Powers 50368 ceiling clip.

3. THE SLIMCEIL SOLUTION

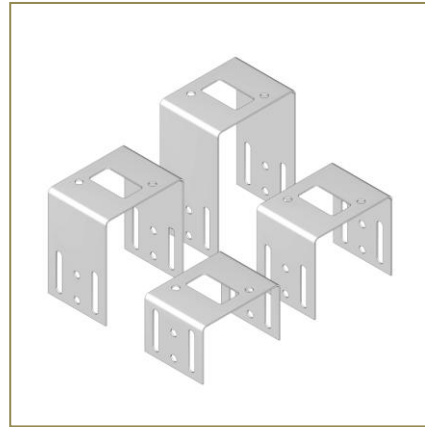


The all new Studco SLIMCEIL Ceiling System is designed for special low-clearance ceiling cavity requirements, where the cavity space above the plasterboard is between 37mm and 108mm. The Studco SLIMCEIL Ceiling System is also fully adjustable: it's the simple, easy to install and fast answer to small ceiling cavities.

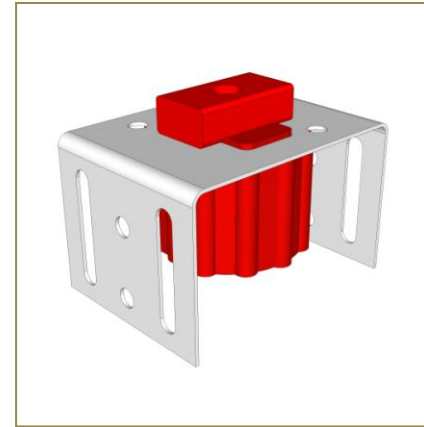
4. SLIMCEIL COMPONENTS



STUDCO SLIMCEIL
35mm CEILING CHANNEL

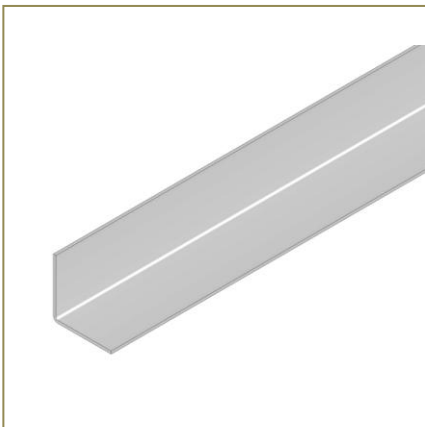


STUDCO SLIMCEIL M124 CEILING
BRACKET - Available in four sizes

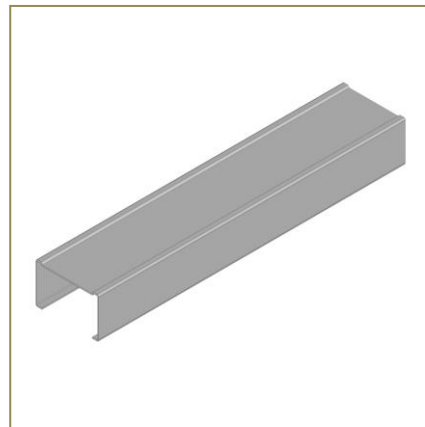


STUDCO SLIMCEIL M124R
RESILIENT-MOUNTED BRACKETS

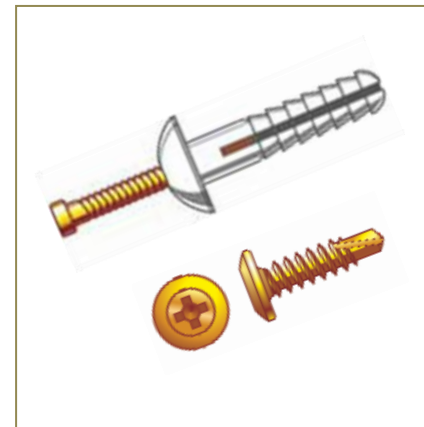
The Studco SLIMCEIL Ceiling System consists of a C-channel section and a series of four brackets, designed to provide adjustable stand-off points for fixing the channel. The bracket range provides an overlapping series that covers ceiling cavities from 37mm through to 108mm.



STUDCO SLIMCEIL PERIMETER ANGLE



STUDCO SLIMCEIL CHANNEL JOINERS



Standard Fixings & Fasteners

PART NO.	CEILING CAVITY
M124-2	37-60mm
M124-4	53-76mm
M124-6	69-92mm
M124-8	85-108mm



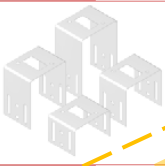
STUDCO SLIMCEIL 35MM CEILING CHANNEL



Part No.	0.50 BMT CEILING CHANNEL	Length mm	Sub Pack	Pack	Approx. kg/pce
M355	35mm Ceiling Channel 0.50 BMT	3000	10	100	1.64
		3600	10	100	1.96
		4800	10	100	x.xx

Part No.	0.75 BMT CEILING CHANNEL	Length mm	Sub Pack	Pack	Approx. kg/pce
M357	35mm Ceiling Channel 0.75 BMT	3000	10	100	2.38
		3600	10	100	x.xx
		4800	10	100	x.xx
		6000	10	100	x.xx

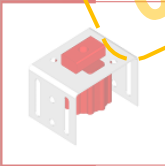
STUDCO SLIMCEIL M324 CEILING BRACKET



Part No.	CEILING BRACKETS	Length mm	Sub Pack	Pack	Approx. kg/pce
M324-2	M324 Ceiling Bracket	37-60*	100	200	x.xx
M324-4	M324 Ceiling Bracket	53-76*	100	200	x.xx
M324-6	M324 Ceiling Bracket	69-92*	100	200	x.xx
M324-8	M324 Ceiling Bracket	85-108*	100	200	x.xx

* This is the distance between the concrete substrate and the back face of the plasterboard lining. Example: for a 75mm overall ceiling cavity using one layer of 13mm plasterboard, use a M324-4 Ceiling Bracket (75mm-13mm = 62mm [53-76mm]).

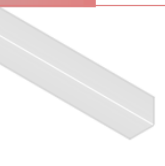
RESILMOUNT SLIMCEIL M324R RESILIENT MOUNT



Part No.	CEILING BRACKETS	Length mm	Sub Pack	Pack	Approx. kg/pce
M324R-2	Resilimount M324R Ceiling Bracket	47-70*	100	200	x.xx
M324R-4	Resilimount M324R Ceiling Bracket	63-86*	100	200	x.xx
M324R-6	Resilimount M324R Ceiling Bracket	79-102*	100	200	x.xx
M324R-8	Resilimount M324R Ceiling Bracket	95-118*	100	200	x.xx

* This is the distance between the concrete substrate and the back face of the plasterboard lining. Example: for a 85mm overall ceiling cavity using one layer of 13mm plasterboard, use a M324-4 Ceiling Bracket (85mm-13mm = 72mm [63-86mm]).

STUDCO SLIMCEIL WALL ANGLE



Part No.	CEILING BRACKETS	Length mm	Sub Pack	Pack	Approx. kg/pce
M344	Angle 30 x 30mm 0.55 BMT	3000	1	20	0.96



5. ORDERING INFORMATION

Cost-effective, fast and simple. Lowest “installed cost” low clearance ceiling system.

The Studco SLIMCEIL Ceiling System is easy to order, consisting of only a handful of components.

All components will be available ex-stock from April 2009.

Supplementary pages for your Studco Catalogue and Studco Price List, detailing all the Studco SLIMCEIL Ceiling System components will be made available to our customers shortly.

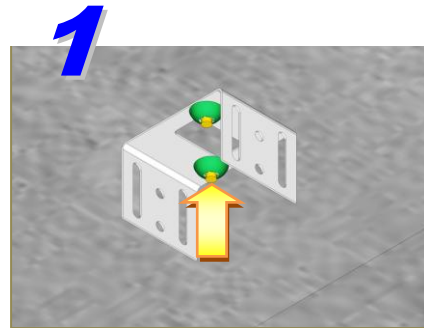
6. AMAZING STRENGTH

		M355 35mm x 0.5mm Channel	
		CHANNEL SPACINGS	
		450mm	600mm
BRACKET FIXINGS	900mm	85 kg/m ²	64 kg/m ²
	1200mm	47 kg/m ²	34 kg/m ²

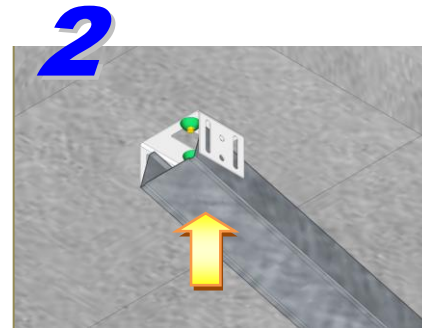
Engineered to outperform all other ceiling systems.

**Greater load strength can be achieved on engineered ceilings –
Please contact Studco Technical Services for assistance.**

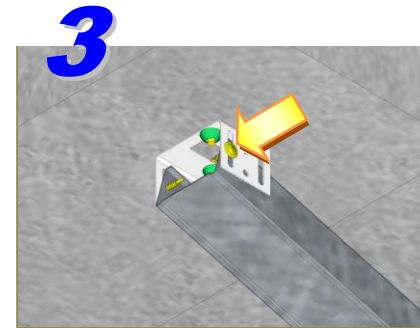
7. SLIMCEIL INSTALLATION GUIDE



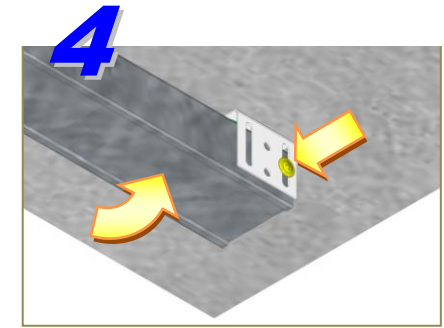
Fix M324 brackets to concrete substrate using two Ø6mm nylon sleeve anchors (or equivalent) in holes provided.



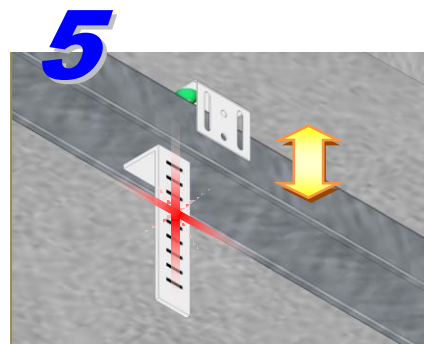
Insert 35mm channel into bracket at one end.



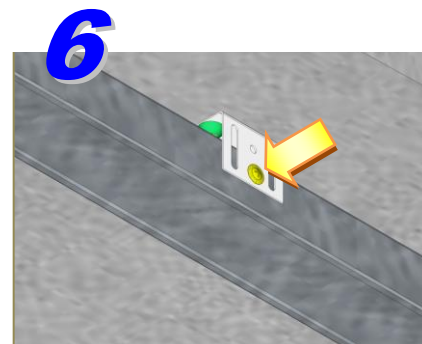
Fix channel to bracket with one screw on either side of bracket, using the slots provided. Do not tighten screws fully.



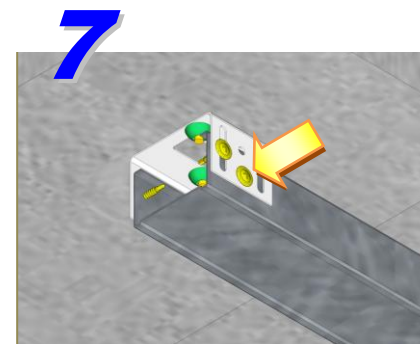
Move to the opposite end of the channel and fix to bracket with one screw on either side of bracket, using the slots provided. Do not tighten screws fully.



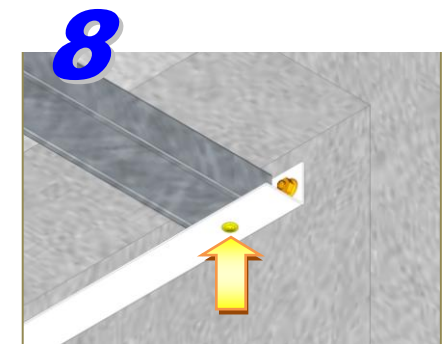
Move to the mid-span section of the channel. Adjust channel up or down to required level.



Fix channel to bracket with one screw on either side of bracket, using the holes provided. Tighten screws fully. Fix at all intermediate bracket inter-sections.

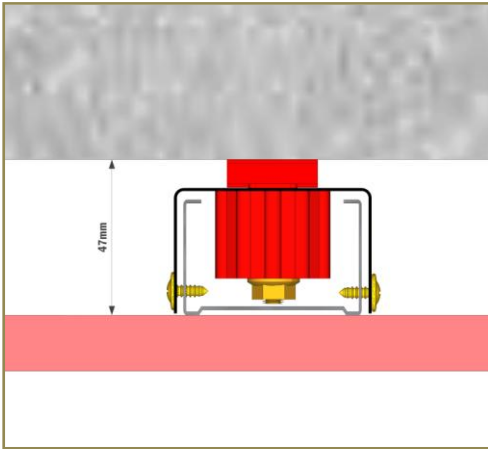


At end connections, adjust channel up or down to required level and insert another screw into the holes provided and fully tighten. No need to tighten screws in slots.

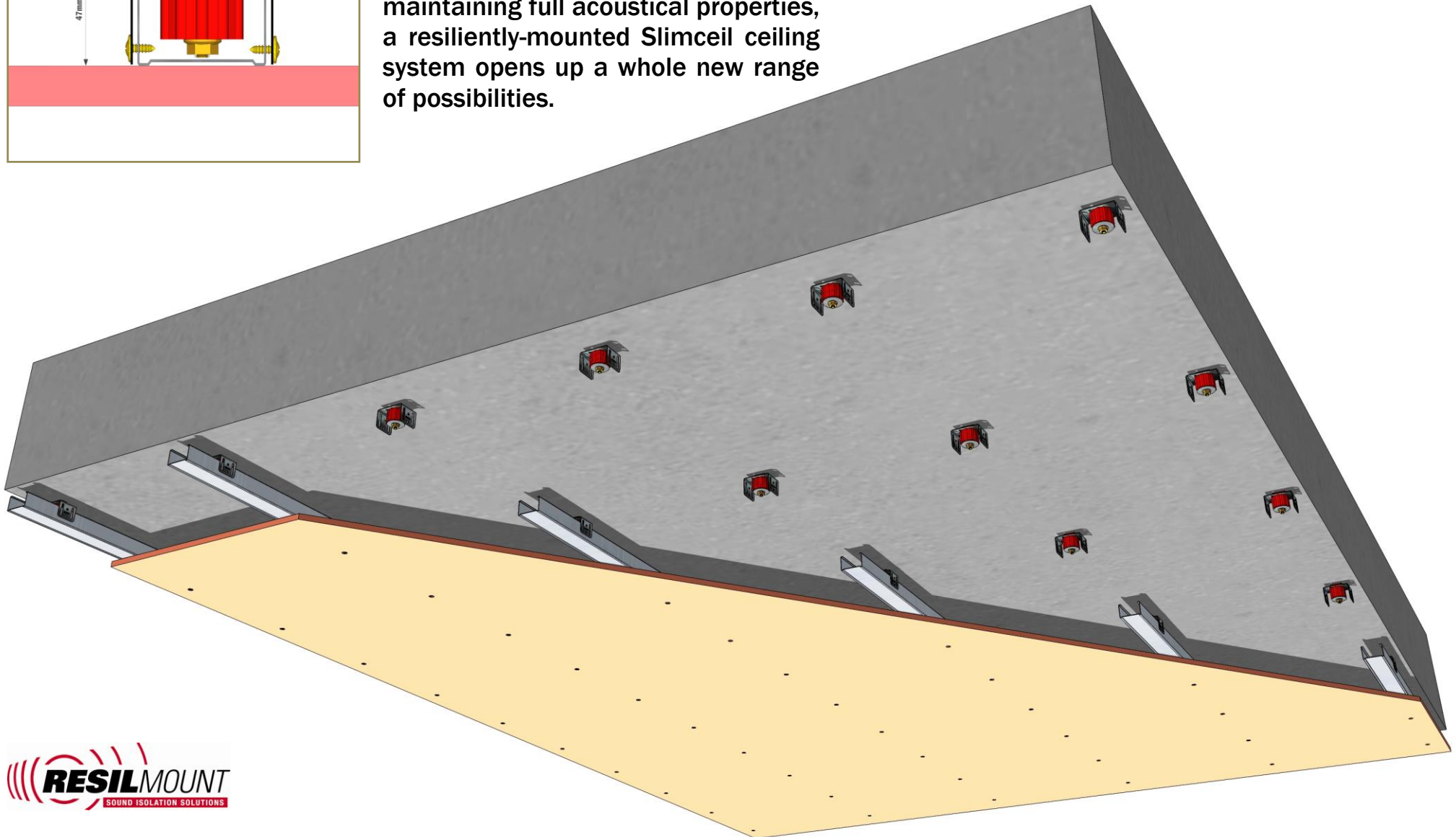


Fix wall track to walls with masonry sleeve anchors. Fix channel securely to wall track along full length of the wall.

8. RESILIENT MOUNTED CEILINGS



The Resilmount Slimceil resilient-mounted bracket provides a fully compliant acoustic isolation solution for small ceiling cavities. Achieving a miniscule cavity of only 47mm whilst maintaining full acoustical properties, a resiliently-mounted Slimceil ceiling system opens up a whole new range of possibilities.



9. FEATURES & BENEFITS

	Studco Slimceil Ceiling System	Infinite Furr Channel System	Adjustable TCR System
Material costs	Less than Concealed Ceiling System	4% cheaper than Studco Slimceil	17% more expensive than Studco Slimceil
Adjustment range	37mm to 108mm	25mm to 50mm	45mm to 95mm
System strength - light duty	34 kg/m ²	13 kg/m ² [M308]	11 kg/m ² [M308]
System strength* - heavy duty	85 kg/m ²	25 kg/m ² [M29]	19 kg/m ² [M29]
Adjustment locking method	Cordless screwgun	Manual screwdriver	Manual screwdriver
Need to loosen screws before adjustment	No	Yes	Yes
Failsafe non-slip locking system	Yes	No	No
Material quantities	Maximum spacings, minimal parts	System needs double bracket quantities	System needs TCR & locking keys
Installation	Quickest system to install	Nearly twice as long as Studco Slimceil	More than twice as long as Studco Slimceil
Installation abnormalities	None	None	TCR must be slid in from one end
Manual bracket manipulation	None	Excess bracket legs must be bent up, very difficult to do!	Excess bracket legs must be bent up, very difficult to do!
Can be installed by one person	Yes	Yes	With difficulty
Total installed cost rating	1st	2nd	3rd
Head injury risk from brackets	No	Yes, sharp edges	No
Bracket can be resiliently mounted	Yes	No	No
Upgrade load capacity without adjusting bracket spacings	Yes	No	No

* Using 900mm fixing centres and 450mm channel centres.