

RENDER & SHEATHING BOARD GUIDANCE SHEET 2020

WX-58T SELF-DRILL SCREWS

INSULATION TO RENDER BOARD & LIGHT STEEL FRAME >2.0MM

STEEL THICKNESS mm	ULTIMATE PULLOUT VALUE kN
0.70	1.50kN
0.90	2.0kN
1.00	
1.50	
2.00	

40MM TO 300MM



INSULATION THICKNESS

20MM TO 420MM

RENDER BOARD TYPE	MEAN ULTIMATE RESISTANCE Nru,m	NRK (ETAG014) = N1 (0.6) <1.5kN
9.0MM Y WALL	1.05	0.60
12.0MM Y WALL	1.17	1.05
12.0MM CEMBOARD	1.34	0.73
12.0MM VERSALINER	0.98	0.54
12.0MM VERSAPANEL A2	1.41	0.82
12.0MM MULTI-REND	0.92	0.54
12.0MM S Q BOARD	1.09	0.62
12.0MM STS NO MORE PLY	1.13	0.64
12.0MM KEMWELL FCB	0.91	0.52
12.0MM CEMROCK EXTREME	1.52	0.85
12.0MM HI-CEM	1.74	0.81
9.0MM PLYBOARD	1.22	0.72
12.0MM PLYBOARD	1.80	0.96
18.0MM PLYBOARD	2.08	1.16
SOFTWOOD @ 30MM EMBEDMENT	2.85	1.56

R-KC-60 & KCX TUBED WASHERS FOR USE WITH WX-58T SCREWS

SAP CODE	TUBE DEPTH
R-KC-60	10MM
KCX-055	55MM
KCX-105	105MM
KCX-165	165MM



KWL-090PP 90MM SPREADER WASHERS FOR USE WITH R-KC-60 & KCX TUBED WASHERS & KCX TUBED WASHERS



R-WX-48T SELF-DRILL SCREWS

INSULATION TO RENDER BOARD & LIGHT STEEL FRAME >1.5MM

STEEL THICKNESS mm	ULTIMATE PULLOUT VALUE kN
0.63	0.76kN
0.75	1.01kN
0.88	1.28kN
1.00	1.53kN
1.25	2.05kN
1.50	2.57kN



50MM TO 300MM

INSULATION THICKNESS

20MM TO 415MM

RENDER BOARD TYPE	MEAN ULTIMATE RESISTANCE Nru,m	NRK (ETAG014) = N1 (0.6) <1.5kN
9.0MM Y WALL	1.09	0.61
12.0MM Y WALL	1.30	0.71
12.0MM CEMBOARD	0.95	0.54
12.0MM VERSALINER	0.85	0.48
12.0MM VERSAPANEL A2	1.40	0.79
12.0MM MULTI-REND	0.93	0.48
12.0MM S Q BOARD	1.03	0.59
12.0MM STS NO MORE PLY	1.17	0.67
12.0MM KEMWELL FCB	0.95	0.61
12.0MM CEMROCK EXTREME	1.45	0.79
12.0MM HI-CEM	1.68	0.82
9.0MM PLYBOARD	0.73	0.40
12.0MM PLYBOARD	1.25	0.70
18.0MM PLYBOARD	1.91	1.06
SOFTWOOD @ 30MM EMBEDMENT	3.25	1.85

R-KC-60 & KCX TUBED WASHERS FOR USE WITH WX-58T SCREWS

SAP CODE	TUBE DEPTH
R-KC-60	10MM
KCX-055	55MM
KCX-105	105MM
KCX-165	165MM



KWL-090PP 90MM SPREADER WASHERS FOR USE WITH R-KC-60 & KCX TUBED WASHERS & KCX TUBED WASHERS



R-LS-55 BASE RAIL SELF-DRILL SCREWS RUSPERT TO RENDER BOARD & LIGHT STEEL FRAME >3.5MM
 OCS-55 BASE RAIL SELF-DRILL SCREWS A2 BI-METAL TO RENDER BOARD & LIGHT STEEL FRAME >6.0MM

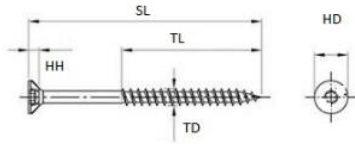
STEEL THICKNESS mm	ULTIMATE PULLOUT VALUE kN
1.0	1.25kN
1.5	2.25kN
2.0	3.50kN
2.5	4.50kN
3.0	6.10kN



TENSILE STRENGTH 14.0kN
 SHEAR STRENGTH 8.3kN
 TORSIONAL STRENGTH 10.5Nm

RENDER BOARD TYPE	MEAN ULTIMATE RESISTANCE Nru,m	NRK (ETAG014) = N1 (0.6) <1.5kN
9.0MM Y WALL	0.79	0.42
12.0MM Y WALL	1.14	0.61
12.0MM CEMBOARD	0.97	0.56
12.0MM VERSALINER	0.67	0.36
12.0MM VERSAPANEL A2	1.17	0.66
12.0MM MULTI-REND	0.79	0.41
12.0MM S Q BOARD	0.94	0.53
12.0MM STS NO MORE PLY	0.88	0.48
12.0MM KEMWELL FCB	0.66	0.36
12.0MM CEMROCK EXTREME	0.97	0.54
12.0MM HI-CEM	1.47	0.75
9.0MM PLYBOARD	0.81	0.56
12.0MM PLYBOARD	1.88	1.01
18.0MM PLYBOARD	2.28	1.32
SOFTWOOD @ 30MM EMBEDMENT	2.30	1.33

R-UCF-A2-(6.0 & 8.0MM) SHARP POINT SCREWS FOR RENDER BOARD & TIMBER STAINLESS CENTRE FIXING FOR FIRE RESISTANCE



120 - 350MM LENGTHS

DIMENSIONS	6.0MM DIAMETER	8.0MM DIAMETER
HEAD DRIVE	TX25	TX40
HEAD DIAMETER (HD)	12.0MM	15MM
HEAD HEIGHT (HH)	3.5MM	4.0MM
THREAD LENGTH (TL)	70MM	80MM
TENSILE STRENGTH Nm	50	50

RENDER BOARD TYPE	MEAN ULTIMATE RESISTANCE $N_{ru,m}$	NRK (ETAG014) = N1 (0.6) <1.5kN
9.0MM Y WALL	0.86	0.48
12.0MM Y WALL	1.22	0.69
12.0MM CEMBOARD	1.24	0.66
12.0MM VERSALINER	0.99	0.54
12.0MM VERSAPANEL A2	1.23	0.70
12.0MM MULTI-REND	0.92	0.54
12.0MM S Q BOARD	0.97	0.54
12.0MM STS NO MORE PLY	1.11	0.56
12.0MM KEMWELL FCB	0.95	0.54
12.0MM CEMROCK EXTREME	1.04	0.54
12.0MM HI-CEM	N/A	N/A
9.0MM PLYBOARD	0.78	0.57
12.0MM PLYBOARD	1.63	0.90
18.0MM PLYBOARD	2.11	1.10
SOFTWOOD @ 30MM EMBEDMENT	3.19	1.84

MKC-A2-070 70MM STAINLESS STEEL WASHERS FOR USE WITH R-UCF-A2 & OCS-55/63 SCREWS

MKC-A2-070
9.5MM I.D
70MM O.D
0.45MM THICK



R-CWT-48038 RENDER BOARD TO LIGHT STEEL FRAME >3.5MM CARBON STEEL & A2 BI-METAL

STEEL THICKNESS mm	ULTIMATE PULLOUT VALUE kN
1.0	1.14kN
1.5	2.02kN
2.0	3.04kN
2.5	4.15kN
3.0	5.27kN

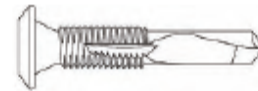


LOW PROFILE FRAME TO FRAME SELF-DRILL SCREWS (LIGHT GAUGE >3.5MM / HEAVY GAUGE >12.5MM)

STEEL THICKNESS mm	ULTIMATE PULLOUT VALUE kN
1.0	1.25kN
1.5	2.25kN
2.0	3.50kN
2.5	4.50kN
3.0	6.10kN



STEEL THICKNESS mm	ULTIMATE PULLOUT VALUE kN
4.0	7.80kN
6.0	8.10kN
10.0	9.20kN
12.0	9.20kN



R-OCS-63 RAIL TO TOPHAT SECTION 6.3MM

STEEL THICKNESS mm	ULTIMATE PULLOUT VALUE kN
2.0	3.10kN
3.0	5.80kN
4.0	8.00kN
6.0	9.00kN

