



Insulation Fixings Guide 2022

RAWLPLUG®

EXPERT IN FIXINGS, FASTENERS AND TOOLS



All around the world

in 100 years

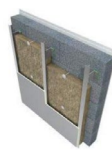


Rawlplug is a global brand of choice. Every day, as we realise our vision, we keep our promise that we will provide our customers with the most up-to-date products they can trust. It is through our customers' choices that you can both admire the appearance of a building and use it safely, especially when it comes to prominent structures that are visited daily by thousands of people. Today, we can proudly say that in the last 100 years Rawlplug has become a silent hero of many construction projects all over the world.

PLASTIC PERIMETER FIXING



KI-10



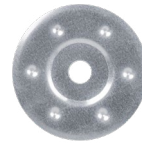
KWL-090PP

Insulation Thickness (mm)	Fixing Combination
40	KI-070 + KWL-090PP
50	KI-090 + KWL-090PP
60	KI-090 + KWL-090PP
70	KI-120 + KWL-090PP
80	KI-120 + KWL-090PP
90	KI-120 + KWL-090PP
100	KI-140 + KWL-090PP
110	KI-140 + KWL-090PP
120	KI-160 + KWL-090PP
130	KI-160 + KWL-090PP
140	KI-180 + KWL-090PP
150	KI-180 + KWL-090PP
160	KI-200 + KWL-090PP
170	KI-200 + KWL-090PP
180	KI-220 + KWL-090PP
190	KI-220 + KWL-090PP
200	KI-260N + KWL-090PP
210	KI-260N + KWL-090PP
220	KI-260N + KWL-090PP
230	KI-260N + KWL-090PP
240	KI-300N + KWL-090PP
250	KI-300N + KWL-090PP
260	KI-300N + KWL-090PP
270	KI-300N + KWL-090PP
280	TBA
290	TBA
300	TBA
310	TBA
320	TBA
330	TBA
340	TBA
350	TBA

STAINLESS CENTRE FIXING



MBA-SS-08



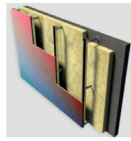
MKC-SS-85

Insulation Thickness (mm)	FIXING COMBINATION Standard Embedment 40 (mm)	FIXING COMBINATION Reduced Embedment 30 (mm)
40	MBA-SS-08090 + MKC-SS-85	MBA-SS-08090 + MKC-SS-85
50	MBA-SS-08090 + MKC-SS-85	MBA-SS-08090 + MKC-SS-85
60	MBA-SS-08110 + MKC-SS-85	MBA-SS-08090 + MKC-SS-85
70	MBA-SS-08110 + MKC-SS-85	MBA-SS-08110 + MKC-SS-85
80	MBA-SS-08140 + MKC-SS-85	MBA-SS-08110 + MKC-SS-85
90	MBA-SS-08140 + MKC-SS-85	MBA-SS-08140 + MKC-SS-85
100	MBA-SS-08140 + MKC-SS-85	MBA-SS-08140 + MKC-SS-85
110	MBA-SS-08170 + MKC-SS-85	MBA-SS-08140 + MKC-SS-85
120	MBA-SS-08170 + MKC-SS-85	MBA-SS-08170 + MKC-SS-85
130	MBA-SS-08170 + MKC-SS-85	MBA-SS-08170 + MKC-SS-85
140	MBA-SS-08200 + MKC-SS-85	MBA-SS-08170 + MKC-SS-85
150	MBA-SS-08200 + MKC-SS-85	MBA-SS-08200 + MKC-SS-85
160	MBA-SS-08200 + MKC-SS-85	MBA-SS-08200 + MKC-SS-85
170	MBA-SS-08250 + MKC-SS-85	MBA-SS-08200 + MKC-SS-85
180	MBA-SS-08250 + MKC-SS-85	MBA-SS-08250 + MKC-SS-85
190	MBA-SS-08250 + MKC-SS-85	MBA-SS-08250 + MKC-SS-85
200	MBA-SS-08250 + MKC-SS-85	MBA-SS-08250 + MKC-SS-85
210	MBA-SS-08250 + MKC-SS-85	MBA-SS-08250 + MKC-SS-85
220	MBA-SS-08300 + MKC-SS-85	MBA-SS-08250 + MKC-SS-85
230	MBA-SS-08300 + MKC-SS-85	MBA-SS-08300 + MKC-SS-85
240	MBA-SS-08300 + MKC-SS-85	MBA-SS-08300 + MKC-SS-85
250	MBA-SS-08300 + MKC-SS-85	MBA-SS-08300 + MKC-SS-85
260	MBA-SS-08300 + MKC-SS-85	MBA-SS-08300 + MKC-SS-85
270	TBA	MBA-SS-08300 + MKC-SS-85
280	TBA	TBA
290	TBA	TBA
300	TBA	TBA
310	TBA	TBA
320	TBA	TBA
330	TBA	TBA
340	TBA	TBA
350	TBA	TBA

PLASTIC PERIMETER FIXING



R-WX-48T



R-KC-60 & KWL-090PP

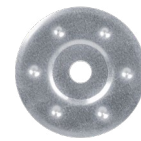
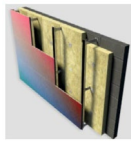
Insulation Thickness (mm)	Fixing Combination
40	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T070
50	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T080
60	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T100
70	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T100
80	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T120
90	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T120
100	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T140
110	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T140
120	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T160
130	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T160
140	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T180
150	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T180
160	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T200
170	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T200
180	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T220
190	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T220
200	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T240
210	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T240
220	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T260
230	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T260
240	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T300
250	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T300
260	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T300
270	R-KC-60 CAPPED WASHERS + KWL-090PP + R-WX-48T300
280	TBA
290	TBA
300	TBA
310	TBA
320	TBA
330	TBA
340	TBA
350	TBA

Plastic perimeter fixing combination allows for 12.5mm Sheathing Board + 1.5mm Steel Frame

STAINLESS CENTRE FIXING



OCS-55/63



R-RSW-85-SS

Insulation Thickness (mm)	Fixing Combination
40	OCS-55/63090 + R-RSW-85-SS
50	OCS-55/63090 + R-RSW-85-SS
60	OCS-55/63090 + R-RSW-85-SS
70	OCS-55/63110 + R-RSW-85-SS
80	OCS-55/63110 + R-RSW-85-SS
90	OCS-55/63130 + R-RSW-85-SS
100	OCS-55/63130 + R-RSW-85-SS
110	OCS-55/63150 + R-RSW-85-SS
120	OCS-55/63150 + R-RSW-85-SS
130	OCS-55/63170 + R-RSW-85-SS
140	OCS-55/63170 + R-RSW-85-SS
150	R-OCS-55/63200 + R-RSW-85-SS
160	R-OCS-55/63200 + R-RSW-85-SS
170	R-OCS-55/63200 + R-RSW-85-SS
180	OCS-55/63230 + R-RSW-85-SS
190	OCS-55/63230 + R-RSW-85-SS
200	OCS-55/63230 + R-RSW-85-SS
210	R-OCS-55/63270 + R-RSW-85-SS
220	R-OCS-55/63270 + R-RSW-85-SS
230	R-OCS-55/63270 + R-RSW-85-SS
240	R-OCS-55/63270 + R-RSW-85-SS
250	R-OCS-55/63300 + R-RSW-85-SS
260	R-OCS-55/63300 + R-RSW-85-SS
270	R-OCS-55/63300 + R-RSW-85-SS
280	TBA
290	TBA
300	TBA
310	TBA
320	TBA
330	TBA
340	TBA
350	TBA

Stainless centre fixing combination, allows for 12.5mm Sheathing board + 1.5mm Steel frame

R-WBT-61 CONCRETE SCREW & R-POK-06-ALZN WASHERS



R-WBT-61



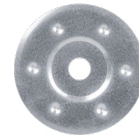
R-POK-06-ALZN

Insulation Thickness (mm)	Fixing Combination
40	R-WBT-61075 + R-POK-06-ALZN
50	R-WBT-61090 + R-POK-06-ALZN
60	R-WBT-61090 + R-POK-06-ALZN
70	R-WBT-61120 + R-POK-06-ALZN
80	R-WBT-61120 + R-POK-06-ALZN
90	R-WBT-61120 + R-POK-06-ALZN
100	R-WBT-61140 + R-POK-06-ALZN
110	R-WBT-61140 + R-POK-06-ALZN
120	R-WBT-61160 + R-POK-06-ALZN
130	R-WBT-61160 + R-POK-06-ALZN
140	R-WBT-61180 + R-POK-06-ALZN
150	R-WBT-61180 + R-POK-06-ALZN
160	R-WBT-61200 + R-POK-06-ALZN
170	R-WBT-61200 + R-POK-06-ALZN
180	R-WBT-61220 + R-POK-06-ALZN
190	R-WBT-61220 + R-POK-06-ALZN
200	R-WBT-61240 + R-POK-06-ALZN
210	R-WBT-61240 + R-POK-06-ALZN
220	R-WBT-61260 + R-POK-06-ALZN
230	R-WBT-61260 + R-POK-06-ALZN
240	R-WBT-61300 + R-POK-06-ALZN
250	R-WBT-61300 + R-POK-06-ALZN
260	R-WBT-61300 + R-POK-06-ALZN
270	R-WBT-61300 + R-POK-06-ALZN
280	R-WBT-61350 + R-POK-06-ALZN
290	R-WBT-61350 + R-POK-06-ALZN
300	R-WBT-61350 + R-POK-06-ALZN
310	R-WBT-61350 + R-POK-06-ALZN
320	R-WBT-61350 + R-POK-06-ALZN
330	R-WBT-61400 + R-POK-06-ALZN
340	R-WBT-61400 + R-POK-06-ALZN
350	R-WBT-61400 + R-POK-06-ALZN
360	R-WBT-61400 + R-POK-06-ALZN
370	R-WBT-61400 + R-POK-06-ALZN

MBA-08 + MKC-85 or MBA-SS-08 + MKC-SS-85



MBA-08/MBA-SS-08



MKC-85/MKC-SS-85

Insulation Thickness (mm)	Fixing Combination
40	MBA-08090 + MKC-85 OR MBA-SS-08090 + MKC-SS-85
50	MBA-08090 + MKC-85 OR MBA-SS-08090 + MKC-SS-85
60	MBA-08110 + MKC-85 OR MBA-SS-08110 + MKC-SS-85
70	MBA-08110 + MKC-85 OR MBA-SS-08110 + MKC-SS-85
80	MBA-08140 + MKC-85 OR MBA-SS-08140 + MKC-SS-85
90	MBA-08140 + MKC-85 OR MBA-SS-08140 + MKC-SS-85
100	MBA-08140 + MKC-85 OR MBA-SS-08140 + MKC-SS-85
110	MBA-08170 + MKC-85 OR MBA-SS-08170 + MKC-SS-85
120	MBA-08170 + MKC-85 OR MBA-SS-08170 + MKC-SS-85
130	MBA-08170 + MKC-85 OR MBA-SS-08170 + MKC-SS-85
140	MBA-08200 + MKC-85 OR MBA-SS-08200 + MKC-SS-85
150	MBA-08200 + MKC-85 OR MBA-SS-08200 + MKC-SS-85
160	MBA-08200 + MKC-85 OR MBA-SS-08200 + MKC-SS-85
170	MBA-08250 + MKC-85 OR MBA-SS-08250 + MKC-SS-85
180	MBA-08250 + MKC-85 OR MBA-SS-08250 + MKC-SS-85
190	MBA-08250 + MKC-85 OR MBA-SS-08250 + MKC-SS-85
200	MBA-08250 + MKC-85 OR MBA-SS-08250 + MKC-SS-85
210	MBA-08250 + MKC-85 OR MBA-SS-08250 + MKC-SS-85
220	MBA-08300 + MKC-85 OR MBA-SS-08300 + MKC-SS-85
230	MBA-08300 + MKC-85 OR MBA-SS-08300 + MKC-SS-85
240	MBA-08300 + MKC-85 OR MBA-SS-08300 + MKC-SS-85
250	MBA-08300 + MKC-85 OR MBA-SS-08300 + MKC-SS-85
260	MBA-08300 + MKC-85 OR MBA-SS-08300 + MKC-SS-85

The insulation fixing options listed are for guidance only and care should be taken to follow the insulation manufacturers guidance with regards to fixing patterns and the level of corrosion resistance required for the application. The use of a spreader washer is predominantly for mineral wool type insulation slabs. Where a phenolic or rigid insulation is being used, there may not be a requirement for the additional washer, but guidance should be sought from the relevant insulation manufacturer.

*Load values for the MBA at reduced embedment are available on request.

R-WBT-61 & R-POK-041-ALZN



R-WBT-61



R-POK-041-ALZN

Insulation Thickness (mm)	Fixing Combination
136	R-WBT-61180 + R-POK-041-ALZN
166	R-WBT-61200 + R-POK-041-ALZN
191	R-WBT-61220 + R-POK-041-ALZN
226	R-WBT-61260 + R-POK-041-ALZN

MBA-08 & MBA-SS



MBA-08/MBA-SS-08

Insulation Thickness (mm)	Fixing Combination
136	MBA-08200 OR MBA-SS-08200
166	MBA-08250 OR MBA-SS-08250
191	MBA-08250 OR MBA-SS-08250
226	MBA-08300 OR MBA-SS-08300

Soft Faced Mineral Wool Soffit Slab to Concrete

FIRE RESISTANCE REPORT FOR R-WBT-61 & R-POK-06-ALZN



R-WBT-61



R-POK-06-ALZN

Fire Resistance			R-WBT & R-POK-06
R30	Load Characteristic in Tension FRK,f1	(kN)	0.09
R60		(kN)	0.09
R90		(kN)	0.09
R120		(kN)	0.08
Axial Spacing	S_{cr,f1}	(mm)	4 x h _{ef}
Edge Distance	C_{cr,f1}	(mm)	2 x h _{ef}
In case of fire from more than one direction, distance to the edge should be 300mm+			
Recommended Partial Safety Factor γ_{m,f1} = 1.0; h_{ef} = 25 mm			

TRAINING



TRAINING CENTRE

- Modern training facility where you can experience and get to know Rawlplug's entire offering, comprising products, services and training.
- Possibility to select and use a full range of our products under conditions that closely reflect their real-life on-site application.
- Unique opportunity to get to know latest trend-setting Rawlplug® releases that go beyond even the most highly specific expectations of our customers.

CLASSROOM TRAINING

- Workshops devised in a way to consolidate and extend the knowledge acquired at e-learning courses.
- Meetings in small groups enabling the participants to talk about their typical and potential design and contracting challenges.
- Exchange of the most valuable experiences with market practitioners and experts responsible for shaping Rawlplug's product and service portfolio.
- Training modules designed and delivered by specialists with extensive experience in collaboration with designers, contractors and salespeople, responsible for developing individual product groups.

JOIN THE ACADEMY

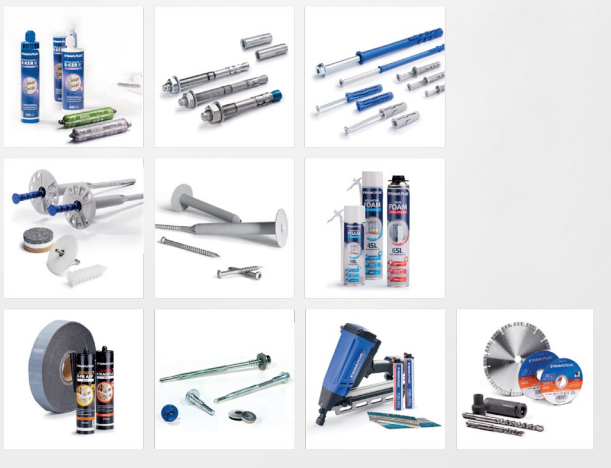
To book for an up and coming course or to inquire about bespoke training, contact the Rawlplug Academy:

T: +44 (0) 118 214 2135

E: rawlplug.academy@rawlplug.com

RAWLPLUG ACADEMY® INTEGRATED TRAINING PACKAGE

- ✓ 3 levels of knowledge
- ✓ 5 training categories
- ✓ 10 product categories
- ✓ 200 trainings
- ✓ 250 hours of training

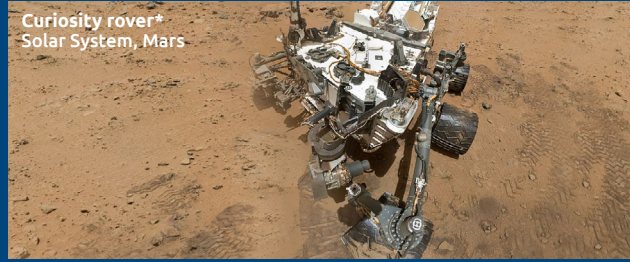


Rawlplug is an unsung hero of many construction projects all over the world.

Burj Khalifa Tower*
United Arab Emirates, Dubai



Curiosity rover*
Solar System, Mars



The Altair tower *
Sri Lanka, Colombo



Cairo Metro
Egypt, Cairo



Jubilee Line Extension, London Underground*
United Kingdom, London



Tehran-Shomal Freeway *
Iran, Tehran



City Towers Czyżyny
Poland, Krakow



Cape Town Stadium
South Africa, Cape Town



* Names of the buildings or engineering constructions may be registered as trademarks in the name of third parties. Rawlplug is not an owner of said trademarks and claims no rights thereto.

UNITED KINGDOM

Rawlplug Ltd
Skibo Drive
Thornliebank Industrial Estate
Glasgow G46 8JR
Tel: + 44 (0) 141 638 7961
Email: rawlinfo@rawlplug.co.uk

Contact us on
www.rawlplug.co.uk



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