

AUSTRALIAN STANDARDS IP RATINGS

Safety in the bathroom

Are you under the impression that you will need a low voltage towel rail in order that it can be placed in a shower, or above a bath? Or has your electrician told you that a standard 240V rail will be dangerous?

All Radiant towel rails are IP (ingress protection) rated to go into Zone 1 of any bathroom.

All Radiant Towel Rails are rated IPX5, when hard wired, which is one of the highest ratings available for heated towel rails in Australia/New Zealand. This means the towel rail is protected against water jets from any direction. IPX5 rating generally allows installation in very close proximity to the bath or shower when 'hard wired' (including above the bath) as long as they are wired to a switch which is positioned in 'Zone 3' as determined by the AS/NZS wiring regulations. As bathroom designs vary greatly and as with any electrical appliance, please always ask your builder to consult the current version of the AS/NZS wiring regulations to confirm the exact position allowable.

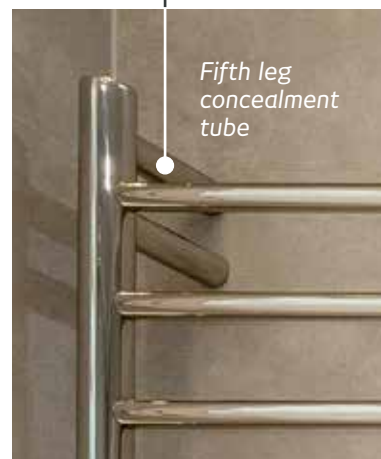
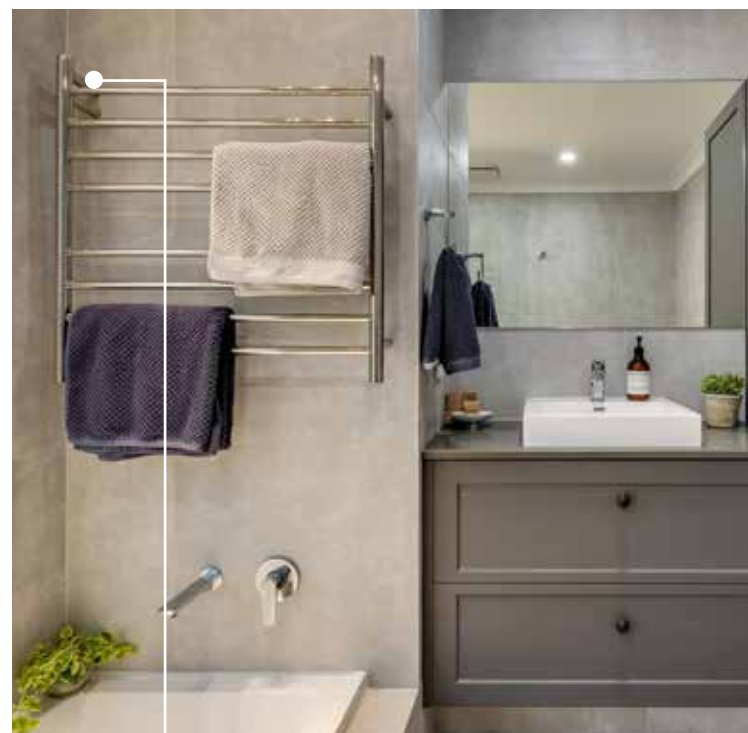
To achieve this we need to tightly seal the cable exit from the ladder, so that the water cannot enter the ladder. Hence the reason it is not an interchangeable cable.

You probably think it doesn't matter which you order, but the decision is up to YOU!

So why left or right?

Radiant Heating heated ladders are all sold with a cable coming out just below one of the bottom legs both on the LEFT and the RIGHT. (Depending on your preferred switch position the towel rail can be mounted upside down if required.)

Therefore before you purchase your heated ladder, check with your electrician which one he will need.



GUIDANCE ON THE SELECTION AND INSTALLATION OF ELECTRICAL EQUIPMENT FOR BATHS, SHOWERS AND OTHER FIXED WATER CONTAINERS

EQUIPMENT	ZONE 0	ZONE 1	ZONE 2	ZONE 3
Clause 6.2.4.2 Socket outlets	Not permitted	Not permitted	(a) A shaver outlet; OR (b) RCD-protected and in a cupboard (no specified IP rating)	(a) <0.3m Not permitted (b) >0.3 m No IP rating* but shall have (i) RCD protection; OR (ii) Separated supply; OR (iii) SELV OR PELV supply
Clause 6.2.4.3 Switches / Accessories	Not permitted	Same as zone 2	<0.3 M Not permitted >0.3 M IPX4*	
Clause 6.2.4.4 Luminaires	IPX7 and specifically for use and SELV or PELV supply	IPX4*	IPX4*; OR Class II construction (double of reinforced insulation); OR SELV or PELV; OR Recessing into ceiling	NO IP rating*
Clause 6.2.4.5 Other	IPX7 and specifically for use and SELV or PELV supply	IPX4*	IPX4* OR Recessed into ceiling	NO IP rating*
Clause 6.2.4.6 Switchboards	Not permitted	Not permitted	Not permitted	Not permitted

* Degree of protection IPX5 required in communal baths/showers. COPYRIGHT P249 Australian Electrical standards.

