

# Product parameters

The flexibility and ductility of aluminium makes Kalzip the perfect roofing sheet for beautifully curved and tapered designs.

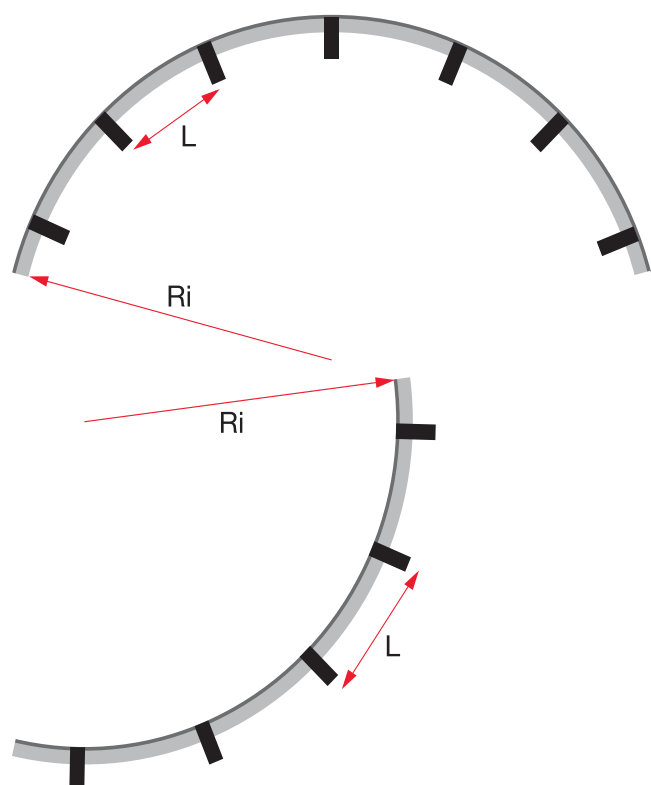
Kalzip roof sheets can be produced with a convex or concave radius utilising 3 methods:

- **Natural curved**
  - minimum convex radii 40 metres to 52 metres subject to gauge & cover width
  - minimum concave radii 45 metres to 60 metres subject to gauge & cover width
- **Machine curved (smooth curved)**
  - special curve minimum radii 1.5 metres with 0, 1 or 2 straight legs, subject to profile, gauge and finish
- **Crimp curved**
  - minimum radii 0.485 metres - convex only
  - maximum sheet length 7.5 metres

## Natural curving

### Parameters

Kalzip Profile (mm)	Gauge (mm)	Support spacing L(M)	Convex radius Ri(M)	Concave radius Ri(M)
305	0.9	1.6	40	45
up to	1.0	1.8	45	50
500	1.2	2.0	52	60



## Factory curved (standard)

The following applies to all forms of machine curved profiles:

- Curves are produced with two straight legs, which have a minimum length of 400 mm
- Maximum sheet length subject to radius required, handleability and transportation
- Minimum sheet length 1.5 metres

### Concave curving

Kalzip profile	0.9 mm	1.0 mm	1.2 mm
65 std profiles	16.0	12.0	16.0
50 std profiles	12.0	9.0	8.0
AF std profiles	16.0	12.0	10.0
AS std profiles	20.0	18.0	14.0

### Convex curving

Kalzip profile	0.9 mm	1.0 mm	1.2 mm
65 std profiles	7.0	3.0	2.5
50 std profiles	7.0	2.0	2.0
AF std profiles	10.0	6.0	5.0
AS std profiles	20.0	14.0	10.0

### Waveform - concave / convex or convex / concave

Kalzip profile	0.9 mm	1.0 mm	1.2 mm
65/305	20.0m + 20.0m	16.0m + 16.0m	10.0m + 10.0m
65/333	20.0m + 20.0m	16.0m + 16.0m	10.0m + 10.0m
65/400	20.0m + 20.0m	16.0m + 16.0m	10.0m + 10.0m
65/500	20.0m + 20.0m	16.0m + 16.0m	10.0m + 10.0m
50/333	20.0m + 20.0m	16.0m + 16.0m	10.0m + 10.0m
50/429	20.0m + 20.0m	16.0m + 16.0m	10.0m + 10.0m
65/333 AF	20.0m + 20.0m	16.0m + 16.0m	10.0m + 10.0m
65/434 AF	20.0m + 20.0m	16.0m + 16.0m	10.0m + 10.0m

NB - For radii outside the above parameters please contact the Kalzip technical department.

## Tapering

### Tapered convex

Kalzip profile	0.9 mm	1.0 mm	1.2 mm
50 std profiles	10.0	6.0	5.0
65 std profiles	10.0	7.0	7.0

### Tapered concave

Kalzip profile	0.9 mm	1.0 mm	1.2 mm
50 std profiles	12.0	10.0	10.0
65 std profiles	10.0	9.0	9.0

## Site curving

Site curving is also possible subject to space availability.

Please contact the Kalzip technical department for further details.