

LUXALON ROOFING TILE

48 LUXALON ROOFING TILE BUILDINGS UP TO 5M HIGH.

TERRAIN FACTOR	ROOF AREA LOCATION	WORKING PRESS (kPa)	FIXINGS REQUIRED
CATEGORY 1 1.02	D	4.24	AT EVERY RIB
	F	5.37	AT EVERY RIB
	G	6.49	AT EVERY RIB
CATEGORY 2 0.93	D	3.53	AT EVERY SECOND RIB
	F	4.46	AT EVERY RIB
	G	5.40	AT EVERY RIB
CATEGORY 2.5 0.79	D	2.55	AT EVERY SECOND RIB
	F	3.22	AT EVERY SECOND RIB
	G	3.99	AT EVERY SECOND RIB

48 LUXALON ROOFING TILE BUILDINGS UP TO 10M HIGH.

TERRAIN FACTOR	ROOF AREA LOCATION	WORKING PRESS (kPa)	FIXINGS REQUIRED
CATEGORY 1 1.02	D	4.85	AT EVERY RIB
	F	6.13	AT EVERY RIB
	G	7.41	AT EVERY RIB
CATEGORY 2 0.93	D	4.08	AT EVERY RIB
	F	5.16	AT EVERY RIB
	G	6.24	AT EVERY RIB
CATEGORY 2.5 0.79	D	2.94	AT EVERY SECOND RIB
	F	3.72	AT EVERY SECOND RIB
	G	4.50	AT EVERY RIB

GENERAL NOTES:

Working pressure has been calculated in accordance with AS1170 Part 2 - 1973 using design wind velocity = $15 \times 1.15 = 63.25$ m/s.

Terrain Category Factors applying to Class 1, 11, 111 and X buildings not exceeding 5m in height.

Internal Pressure Co-efficient = + 0.8

External Pressure Co-efficient = - 0.9

Local External Pressure Factors on a) Perimeters = 1.5, b) Corners = 2.0

All in accordance with N.T. Building Manual and Australian Standard as 1170 PT2 1981 Wind Forces.

LIMITATIONS:

A deflection limit of L/90 at working load as per the working load test of AS1562 - 1980 "Design and Installation of Self-Supporting roofing without transverse laps".

Overhangs:

Minimum overhang is 50mm.

Steel:

Specification to AS1397 - G300 - Z300 plus silicon modified polyester paint film of selected colour.

For more detailed information available from: HANDFORD INDUSTRIES DARWIN (089) 81 2218
HANDFORD INDUSTRIES BRISBANE (07) 265 2999

DESIGN DATA SHEET Northern Territory Cyclonic Areas

Manufacturer:

HANDFORD INDUSTRIES PTY LTD
Phone No. 265 0443

Address:

19 PRITCHARD ROAD, VIRGINIA,
BRISBANE, Q. P.O. BOX 157 NUNDAH, 4012.

Certified

Date

E. J. Handford MIE (Aust)

24/11/82

Subject: Fixing, in the Darwin area of

LUXALON ROOFING TILE

Approved

Date

J. Perkin

22 FEBRUARY 1983

DRG No. M/103/19