

# Custom Height Acoustic Wall



## PRE-ENGINEERED CUSTOM POST

- Cost effective alternative to block and tilt wall systems
- Pre-engineered to 12m
- Fast install
- Excellent sound reduction
- Looks the same from both sides
- Craneless panel installation



**DuneWall**  
CUSTOM HEIGHT ACOUSTIC WALL  
Pre-engineered Custom Post

# DuneWall > Custom Height Acoustic Wall

If noise reduction and privacy are critical to your operations, look no further than the Dunewall acoustic wall system for your commercial, heavy duty industrial, mining, road and railway applications. The modular acoustic panel system is the cost effective alternative to high block walls and tilt panel concrete alternatives.

Pre-engineered to 12m in height to suit a variety of wind regions and available as a single or double wall acoustic solution, Dunewall is solving troublesome noise issues right across Australia. Dunewall provides a clean stylish fibre cement finish to both sides of the wall that can easily be finished by spray or roller including anti-graffiti coatings for extra protection. Cranes are not required to fit the panels and the system ensures minimal site disruption, a real bonus for busy commercial and industrial operations. The smart modular design delivers a crack free finish for the lifetime of your Dunewall.

Wallmark is committed to solving your challenging acoustic boundary solutions with a complete Dunewall design service, delivering you a set of detailed drawings tailored to your project to define the layout for correct installation and engineering sign off if required. Work with the team at Wallmark for factory direct personalised service and great advice. Call **1300 925 562** to find out more.

## Real Noise Reduction

Shield your property from noisy neighbour, busy roadways and commercial noise or limit your own noise exposure for operational efficiency with the ultimate composite sound reduction acoustic panels by Wallmark - NATA tested and certified to AS 1191-2002.



## DuneWall



1. Universal Post (mm)  
100 UC 14.8 | 150 UC 23.4 | 200 UB 25.4 | 310 UB 40.4 | 410 UB 59.7



2. Wall Panel (mm) Single Rebate  
WP 924 > 900H x 2400L | WP 1224 > 1200H x 2400L  
WP 930 > 900H x 3000L | WP 1230 > 1200H x 3000L



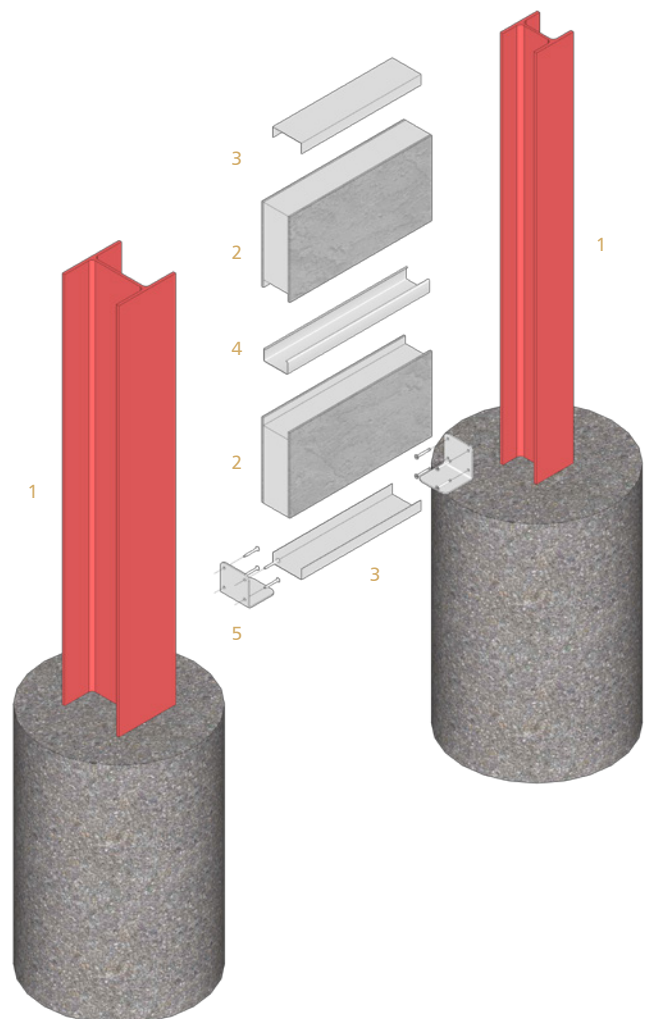
3. Gal Flush Capping (mm)  
FCZ > 2390 | 2990



4. Pre Primed Gal Internal Panel Joiner (mm)  
PJT > 2350 | 2650 | 2950



5. Pre Primed Gal Wall Support Bracket  
WSBZ



### Specifications

- Wallmark "DuneWall" Structural Steel System
- Post Spacing 2430 - 3030mm
- Engineering as per table on back page
- To be installed as per manufactures specification

# Pre-Engineered Custom Post



# DuneWall > Pre-Engineered Custom Post

## Maximum Post Height & Wind Regions

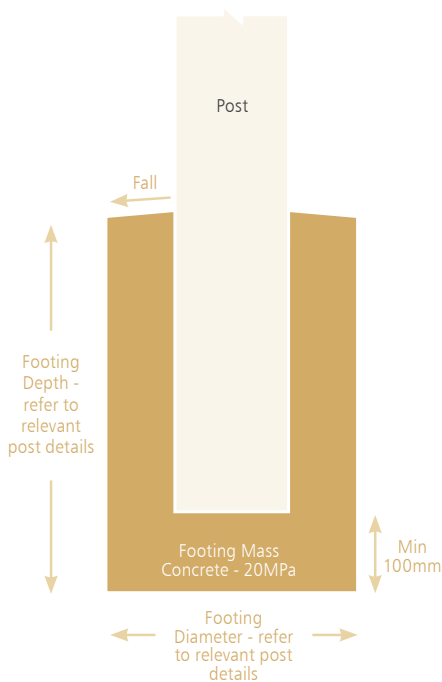
| Panel Length mm | Wall Height mm |      |      |      |      |
|-----------------|----------------|------|------|------|------|
|                 | 3000           | 3300 | 3600 | 3900 | 4200 |
| 2400            | C2             | C2   | C2   | C1   | C1   |
| 3000            | N3             | N3   | N3   | N3   | N3   |

## Footing Depths for 350mm Diameter Footing for various Wind Regions

| Panel Length mm | Wall Height mm |              |              |              |              |
|-----------------|----------------|--------------|--------------|--------------|--------------|
|                 | 3000           | 3300         | 3600         | 3900         | 4200         |
| 2400            | N2 - P1/1000   | N2 - P1/1100 | N2 - P1/1200 | N2 - P1/1200 | N2 - P1/1300 |
|                 | N3 - P1/1200   | N3 - P1/1300 | N3 - P1/1400 | N3 - P1/1500 | N3 - P1/1600 |
|                 | C1 - P1/1400   | C1 - P1/1500 | C1 - P1/1600 | C1 - P1/1800 | C1 - P1/1900 |
|                 | C2 - P1/1700   | C2 - P1/1800 | C2 - P1/2000 | -            | -            |
| 3000            | N2 - P1/1000   | N2 - P1/1200 | N2 - P1/1300 | N2 - P1/1400 | N2 - P1/1500 |
|                 | N3 - P1/1300   | N3 - P1/1500 | N3 - P1/1600 | N3 - P1/1700 | N3 - P1/1800 |
|                 | C1 - P1/1500   | C1 - P1/1700 | C1 - P1/1800 | C1 - P1/1900 | -            |
|                 | C2 - P1/1800   | -            | -            | -            | -            |

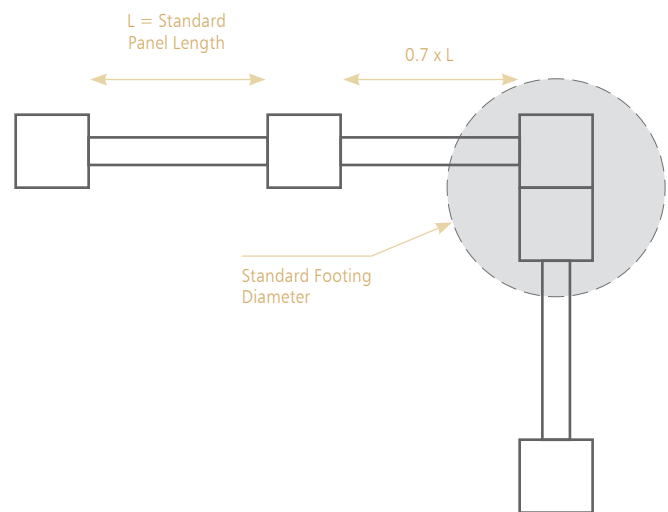
NOTE > P1/1.5 Denotes 350ø bore pier, 1500mm deep into firm clay  
 > Recommended footing depths are for terrain categories 2, 2.5 & 3

### Footing Detail



NOTE > Footing Depths are based on Firm Clay. Engineering advice must be sought on Footing Depths for all other soil types.

### Post Spacing



At Wallmark, we recognise that when it comes to architectural wall solutions, one design does not fit all. We look forward to working hand in hand with you to solve your acoustic privacy wall challenges.

To find out more about our Smart Acoustic Wall Solutions visit [www.wallmark.com.au](http://www.wallmark.com.au) or call **02 6057 7600**.

