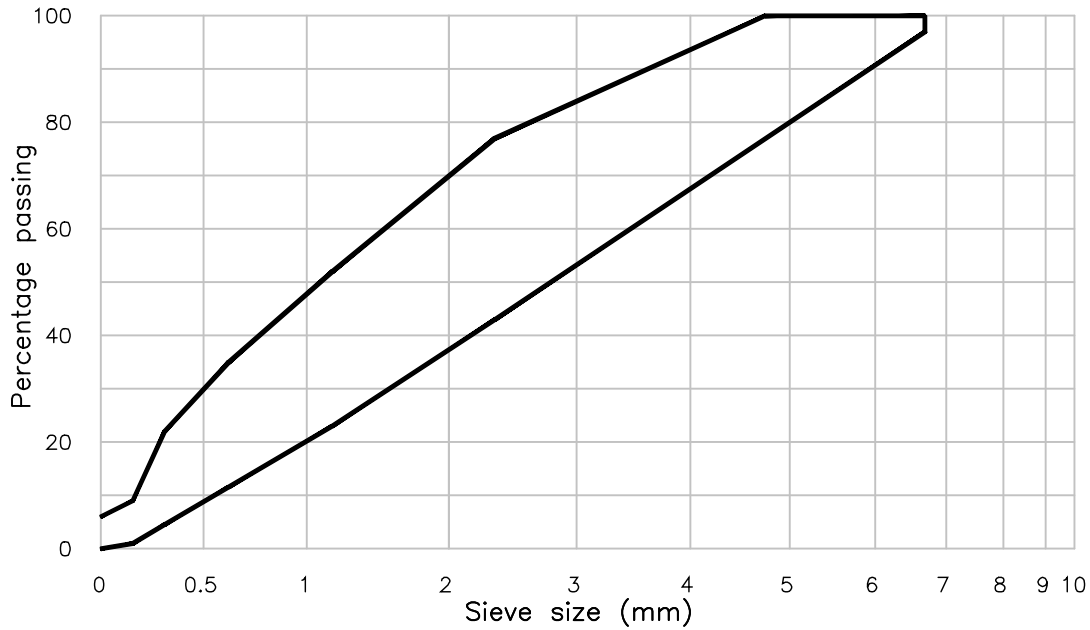


## GRADING ENVELOPE



### PARTICLE SIZE DISTRIBUTION

Sieve Size (mm)	Percentage Passing	
	Lower Limit	Upper Limit
6.70	100	100
4.75	97	100
2.36	43	77
1.18	23	52
0.60	11	35
0.30	3	22
0.15	1	9
0.075	0	6

Test Method—Particle Size Distribution: NZS 4407:1991:Test 3.8.2

**NOTE:**

1. For use as a bedding material for PVC, Concrete and Vitrified Clay pipes up to 300mm diameter.

MANARC

MANUKAU CITY APPROVED  
REQUIREMENT

UPDATED:

SEP 2009

DETAIL No:

MD-28

DETAIL:

HOLCIM CONCRETE AND AGGREGATES  
4mm MANUFACTURED SAND  
FOR PIPE BEDDING

MANUKAU CITY COUNCIL