

Padstone calculator

Masonry Input

Structural calculations for padstones

Beam End Reaction kN (factored) ⓘ

Characteristic strength of masonry N/mm² ⓘ

Width of beam end bearing mm

Length of beam end bearing mm

$\gamma_m = 3.0$

Bearing Factor = 1.25

Masonry Results

Maximum Bearing Stress: N/mm²

Actual Bearing Stress: N/mm²

Padstone Required

Padstone Input

Characteristic strength of Padstone N/mm² ⓘ

Width of Padstone mm

Length of Padstone mm

Padstone Results

Allowable padstone stress: N/mm²

Stress under beam end bearing: N/mm²

Allowable masonry stress: N/mm²

Stress under padstone: N/mm²

Therefore Masonry Stress OK
Therefore Padstone Stress OK