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Declaration of Performance (DoP) for floor door type WAPT

The load capacity meets the most stringent requirements of EN 1991. The calculations are based on safety class 3, $\gamma_f; \gamma_q; u = 1.5$ and Roark's Formulas for Stress and Strain, 7th Edition, Table 11.4 – Case 1a – Plate, all edges simply supported, uniform loaded. The reinforcements of the cover are calculated as beams on two supports. Gorter floor doors are suitable for static loads, not for applications that involve frequent dynamic loading, such as traffic routes.

Performance floor door type WAPT with regard to (static) load:

Load:

7,5 kN/ m² according to EN1991

Dhr. S. Beers

datum: 6-1-2020

Gorter Group BV

