

INFORMATION

BEARING CAPACITY TEST ON SUBSOIL AND GRANULAR LAYERS

Relationship between:

$$1 \text{ MN/m}^2 = 1 \text{ MPa}$$

1. Solidify factor, % of density, PROCTOR-density	Dpr	%
2. Static plate bearing test	Ev2	MN/m ²
3. Dynamic deformation module	Evd	MN/m ²

This comparison depends on the type of soil.

	Dpr	Ev2	Evd
Gravel	100	100	45
	98	80	40
	97	70	35
Sand	100	80	40
	98	70	35
	97	60	30

Classification of gravel and sand

Particel size (diameter, mm)

0,063 to 0,2	sand, fine
0,2 to 0,63	sand, medium
0,63 to 2,0	sand, coarse
2,0 to 6,3	gravel, fine
6,3 to 20,0	gravel, medium
20,0 to 63,0	gravel, coarse
more than 63,0	stones