



Manufacturer and supplier of traditional and environmentally-friendly building materials.



Technical Data

GLAPOR lightweight gravel SG 800

characterization:

lightweight gravel, made of cellular glass for or unbound and bound applications according to EN 13055-2:2004

application areas:

bound ore unbound lightweight and compensation gravel for: parking roofs, roof surface, civil engineering construction of embankment, roads, bridges, gardening and landscaping, roof filling, soil replacement, backfill
Not using for concrete, mortar and grout!

characteristics: general	perform.	dimension	specification / value
product / material / composition	100	%	high-quality recycled glass
colour	grey		
characteristics: EN	perform.	dimension	specification / value
loose bulk density	135 - 170	kg/m ³	EN 1097-3
particle size	32 - 63	mm	EN 933-1
thermal conductivity λ D	≤ 0,083	W/mK	EN 12667 / EN 12939
percentage of crushed and broken surfaces	≥ 90	M.-%	EN 933-5
resistance to freezing and thawing	≤ 1	M.-%	EN 13055-2, app. B
Compressive strength f (deformation = 10 %)	≥ 800	kPa	EN 826
Compressive strength f (deformation = 2 %)	≥ 370	kPa	EN 826
characteristics: national (Germany)	perform.	dimension	specification / value
water permeability coefficient	≈ 3,8 · 10 ⁻⁴	m/s	german standard DIN 18130-1
further characteristics	perform.	dimension	specification / value
loose bulk density (1,3 : 1 compacting)	195 - 220	kg/m ³	
loose bulk density (1,3 : 1 compacting), humid*	≤ 290	kg/m ³	
voids (1,3 : 1 compacting)	≈ 15	Vol.-%	
lift coefficient (1,3 : 1 compacting)	≈ 1,9	kN	
acceptable horizontal force	30	%	relating to normal stress
rodent protection	yes		
capillary crack	yes		
health / fire protection / finishing	perform.	dimension	specification / value
packing factor (recommended)	1,1 - 1,3 : 1		
minimum installation thickness (not compacted)	≥ 190	mm	
possible flatness of planed area	± 25	mm	
softening temperatur	≥ 700	°C	
emission of heavy metals / hazardous substances	≤ 0,001	M.-%	
delivery format / Package			
loose form / loose form at bulk material cloth			
Big Bag:	1,5 m ³	3,0 m ³	

* Changes are, the lightweight gravel contains humidity from storing ore installing.



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