

## Technical Data SG 800 P

### APPLICATIONS:

Load-bearing thermal insulation:  
For under floor and foundation slabs;  
For under surfaces subject to traffic;

Lightweight levelling fill:  
For parking roofs and used flat roofs, for gardening and landscaping  
For civil engineering; for vault fills;

Lightweight insulation fill for applications according to – DIN EN 13055-2



2010

Properties	Value	Unit	Test standard
Composition	100	%	High-quality recycled glass
Frost resistant	yes		EN 13055-2, B
Anti-capillary fill			
Porosity, compressed fill	Approx. 15	Vol. %	
Alkali resistance	passed		DIN V 18004
Bulk density	150 - 170	kg/m <sup>3</sup>	EN 1097-3
Weight, compressed fill	195 - 220	kg/m <sup>3</sup>	Verdichtung 1,3:1
Particle size distribution, bulk	32 – 63	mm	EN 933-1
Flotation, compressed fill	6,5	kN/m <sup>3</sup>	Verdichtung 1,3:1
Water permeability coefficient	7,5*10 <sup>-1</sup>	m/s	DIN 18130-1
Thermal conductivity, compressed fill, λ	0,085	W/(mK)	EN 12667 / EN 12939
Specific heat capacity	850	J/kgK	
Compaction factor	1,3 :1	Factor	
Minimum installation thickness, compressed	15	cm	
Maximum installation thickness, compressed	90	cm	
Deviation from planeness	+/-2	cm	
Rated compression strength $f_{cd}$ compression < 2 %	370	kPa	DIN EN 826
Compressive strength $f_{c,Nenn}$ with 10 % compression	≥800	kPa	DIN EN 826
5 % Quantile value of compression strength $f_{c, 0,05}$	≥820	kPa	DIN EN 826
Absorbable horizontal forces of the gravel layer			
Permissible rated compression strength	≤ 30% of the existing normal strength		
Constrained modulus gravel layer [E <sub>S</sub> ]	13 000	kPa	
Combustibility – Material class	A1	Class	EN 13501-1
Smoke and drip formation	None		
Particle softening point	700	°C	
Delivery form:	Big Bag 1,5 m <sup>3</sup> and 3 m <sup>3</sup> in loose form		

ADVICE: Our specifications correspond to our state of knowledge at the time of printing . We reserve the right for technical changes.

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