



Glass granulate

Areas of application

- Reusable abrasive, fine abrasive, wet abrasive, dry abrasive
- Filler

Blasting systems

- Pressure blast systems
- Injector blast cabinets

Packaging

- 25 kg sacks on pallet up to 1 t
- 1 t loose in a big bag

Glass granulate is popular for fine blasting work on wood and facades. Due to its angular grain shape, glass granulate behaves more abrasively than round glass beads in its blasting behaviour, but is significantly gentler than the various types of corundum.

Physical properties

Hardness	6 mohs
Grain shape	angular
Melting point	approx. 730 °C
Specific gravity	approx. 2 – 2.6 g/cm ³
Bulk density*	approx. 1.2 – 1.8 g/cm ³

*depending on granular size

Typical chemical analysis

SiO ₂	65.00 – 75.00 %
Na ₂ O	12.00 – 18.00 %
CaO	7.00 – 12.00 %
MgO	max. 5.00 %
Al ₂ O ₃	max. 2.50 %
K ₂ O	max. 1.50 %
Fe ₂ O ₃	max. 0.50 %

Available grain sizes

Designation	Grain size range (µm)	Designation	Grain size range (µm)
GGR 220-S	0 – 100	GGR 30/40	300 – 500
GGR 160	40 – 80	GGR 03/06	300 – 600
GGR 140	80 – 150	GGR 24/36	300 – 800
GGR 120	100 – 200	GGR 16/36	400 – 1400
GGR 100	200 – 300		

Other grain sizes can be produced on request.

Comment: For safety reasons, we recommend that you use a protective strainer when filling the blasting equipment.