



Garnet abrasive N/GA/G

<b>Designation:</b>	<b>Minersiv<sup>®</sup></b> garnet abrasive N/GA/G ISO 11126-10	
<b>Quality:</b>	In accordance with Standard ISO 11126-10. Natural mineral abrasive, type almandite. Angular/ cubic particle shape. As to quality assurance, the product is subjected to continuous examination.	
<b>Origin:</b>	<b>Minersiv<sup>®</sup></b> as crystal is obtained from natural overseas deposits and refined by us using up-to-date technology. The production is subjected to accurate control. Fines, superfines and any foreign matters are purposely withdrawn.	
<b>Properties:</b>	<p><b>Minersiv<sup>®</sup></b> is a non-hazardous garnet blast-cleaning abrasive for treatment of almost all types of surfaces as well as an optimum cutting media for high-pressure water-jet cutting facilities. Absorbs no water. Only wetting on the surface possible. <b>Minersiv<sup>®</sup></b> retains its particle shape also during multiple use, which is the case for all particle sizes.</p> <p>All constituents are present bonded in the mineral texture.</p> <p>Chemically indifferent and water- insoluble. No free metallic constituents.</p> <p>Electrically non-conductive.</p>	
<b>Melting point:</b>	about 1250 °C	
<b>Hardness:</b>	Mohs hardness > 7,5	
<b>Densities:</b>	Apparent density, determined by using vacuum	approx. 4,1 g/cm <sup>3</sup>
	Bulk density for medium particle size range	approx. 2,4 g/cm <sup>3</sup>
<b>Chemical analysis:</b> (Approximate Values)	Al <sub>2</sub> O <sub>3</sub>	20 %
	FeO	30 %
	SiO <sub>2</sub>	36 %
	MnO	1 %
	CaO	2 %
	MgO	6 %
<b>Free silica:</b>	Not detectable.	
<b>Health and Safety regulations:</b>	All legal regulations are complied with. The respective limits remain under those laid down in BGR 500 Kap. 2.2 respectively. (EC Law) No specific regulations regarding storage in the state of delivery are to be observed.	

Please contact us for more information:

Sibelco Deutschland GmbH  
Müggelburger Strasse 10  
D-20539 Hamburg

Ph: +49 40 781298-0

[abrasives@sibelco.com](mailto:abrasives@sibelco.com)



<b>Applicability:</b>	<p><b>Minersiv<sup>®</sup></b> is suitable for all known applications within the field of surface treatment, for example:</p> <ul style="list-style-type: none"> <li>• shipbuilding, in particular for antimagnetic steels and other special steels</li> <li>• reactor and power station construction and mechanical engineering</li> <li>• container construction, there particularly for high-alloy and stainless steels and other special steels</li> <li>• in the construction and maintenance/ cleaning of tanks/ boilers, tank waggons and rail carriages, also for such containers in which e.g. water, sweet oil, wine, milk or similar are stored</li> <li>• in railway carriage and aircraft construction and maintenance, e.g. on non-ferrous metal surfaces ( aluminium or similar )</li> <li>• for matting and/or engraving of e.g. glass, granite, marble and similar surfaces</li> <li>• for high-pressure-water cutting of almost all materials</li> </ul>
<b>Standard particle sizes:</b>	<p>0,10 mm to 0,18 mm [120 mesh]          0,18 mm to 0,36 mm [ 80 mesh]          0,20 mm to 0,60 mm          0,50 mm to 1,00 mm          Special particle size distribution on request.</p>
<b>Forms of supply:</b>	<p>Packed ready for use in multiply vented paper bags each of 25 kg gross for net on pallets, shrink-wrapped.          Other packaging and lose, unpacked delivery on request.          Supply from our production plant, located next to the seaport of Hamburg, and directly linked with major motorways to all destinations.</p>
<b>Blast-cleaning technique particle size range selection:</b>	<p>The particle size distribution is to be determined by the user, depending on <b>and</b> the individual blast-cleaning/ cutting purpose and the condition of the surface to be blast-cleaned.          The choice of the particle size also depends on the diameter of the nozzle and other values, for example the specified surface profile (roughness).</p>
<b>Notes:</b>	<p>Due to its physical properties the use of <b>Minersiv<sup>®</sup></b> for more than one, but limited to four times, is possible, provided air pressure limits are carefully observed.          How often an utilization step can be repeated depends on the application, air pressure and recycling conditions given in the individual case as well as further variable practice circumstances.</p>
<b>Waste management:</b>	<p><b>Minersiv<sup>®</sup></b> will be taken back by us against payment after prescribed use, for utilization in accordance with the German Kreislaufwirtschafts- und Abfallgesetz ( Business cycle and waste law) from 1994-09-27.          Procedures are approved by authorities.</p>
<b>Remark:</b>	<p>Please note that all statements made on <b>Minersiv<sup>®</sup></b> are only valid during its original condition.</p>

Please contact us for more information:

Sibelco Deutschland GmbH  
 Muggenburger Strasse 10  
 D-20539 Hamburg

Ph: +49 40 781298-0

[abrasives@sibelco.com](mailto:abrasives@sibelco.com)

