

# Product specification

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<b>Trade name:</b>	<b>Iron-silicate granulate</b>
<b>Basis:</b>	DIN 4301
<b>Mineralogy:</b>	Uniform composition, about 80% vitreously solidified for production reasons. Remainder: mineral phases olivine and magnetite, secondary sulphide ore phases
<b>Structure:</b>	Vitreous and fine to coarse crystalline, dense
<b>Colour:</b>	anthracite to deep black, shiny
<b>Chemism:</b>	iron-silicate about 90 weight-% $\text{Fe}_2\text{O}_3 + \text{SiO}_2$ about 5-7 weight-% $\text{Al}_2\text{O}_3$ , $\text{MgO} + \text{CaO} + \text{Na}_2\text{O} + \text{K}_2\text{O}$ Remainder: traces of other, mainly oxidic and sulphide bound elements
<b>Long-term behaviour:</b>	very resistant
<b>Special properties:</b>	<ul style="list-style-type: none"><li>■ High bulk density</li><li>■ High hardness</li><li>■ Very good weathering and long-term resistance</li><li>■ Favourable grain shape</li><li>■ The very hard glass content and the high welding rate of the glass phase with the mineral phases result in excellent technical properties</li></ul>
<b>Origin:</b>	Aurubis AG, Hamburg
<b>Production/marketing:</b>	Peute Baustoff GmbH, Hamburg
<b>Quality management</b>	
▪ <b>Quality supervisor:</b>	Dipl.-Ing. Thomas Zantz
▪ <b>Quality control:</b>	Quality control is performed in accordance with the requirements of existing directives and as part of the works' production control (WPK). The chemical parameters are continuously monitored by authorised analytical laboratories.