

## NASTR<sup>®</sup>

Iron silicate abrasive

### Features & Benefits

Hamburg, GE

During melting of copper ore concentrates an iron silicate is formed. This is passing a groove and is granulated at a temperature of approximately 1250 °C, using a temperature-controlled pressurized water jet. After cooling down in a tank with fresh water, the fine particles are separated from the granulate manufactured in this way. NAstra<sup>®</sup> is produced in accordance with DIN EN ISO 11126-3. It is a vitreous amorphous slag, it does not absorb water. During the manufacturing of the abrasive no crushing or grinding procedures are included. Therefore, the single abrasive particle is not broken up and retains its extreme hardness and tenacity which is the case for all particle sizes.

Used as blast cleaning abrasive for all applications fields in conventional corrosion protection on almost all surfaces. Suitable for SA-3, SA-2½, SA-2 and SA-1.

### Granulometric Data & Physical Characteristics

Mean values. These do not represent a specification.

Shape	:	angular
Colour	:	grey / black – vitreous amorphous slag
Hardness	:	>7 Mohs
Specific density	:	3.7 kg/dm <sup>3</sup>
Loose bulk density	:	1.85 kg/dm <sup>3</sup>
Conductivity	:	less than 250 µS/cm
Water-soluble chlorides	:	less than 0,0025% (m/m)

NA10	0.2 - 1.0 mm	NA25	0.2 - 2.5 mm
NA14	0.2 - 1.4 mm	NA28	0.2 - 2.8 mm
NA514	0.5 - 1.4 mm	NAST	0.5 - 2.5 mm
NA20	0.2 - 2.0 mm	NA428	1.4 - 2.8 mm

### Chemical Analysis (XRF) %

Mean values. These do not represent a specification.

SiO <sub>2</sub>	:	32	-	38	% in bound form, <0,1% free silica
FeO	:	51	-	58	%
Al <sub>2</sub> O <sub>3</sub>	:	4	-	8	%
CaO	:	2	-	10	%
K <sub>2</sub> O	:	0	-	2	%
MgO	:	1	-	3	%
S	:	0,3	-	1,3	%
Other	:	traces only			

### Availability

NAstra<sup>®</sup> is produced in Hamburg, Germany.

### Packing

- 3-ply paper bags of 25 kg, on shrinkfoiled export pallets.
- Strong woven polypropylene big bags, with 4 lifting loops.
- Other packing options on request.

### NASTRA®

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### ISO

NAstra® is produced according to ISO product standards ISO 11126-3 and 11127.

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### For product information and customer service

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WARNING - Equipment, materials and abrasives used for surface preparation can be hazardous if used carelessly. Many national regulations exist for those materials and abrasives that are considered to be hazardous during or after use (waste management), such as free silica or carcinogenic or toxic substances. Those regulations are therefore to be observed. It is important to ensure that adequate instructions are given and that all required precautions are exercised.

The technical data presented here is for marketing purposes only and is not contractually binding. The data herein is determined using standard test methods. We reserve the right to change this data when necessary. Safety information accompanying this product is available in the form of an SDS. All sales are undertaken strictly in accordance with our "General Conditions of Sale", available upon request, or by a written sales agreement duly signed by us.