



MAGNIFIN

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D A T A S H E E T

ANKERGLAS-SN 27

DESCRIPTION:

ANKERGLAS-SN 27 is a new, spray-dried sodium waterglass of MAGNIFIN which combines the high dissolving velocity of a waterglass with the modulus of 2,0 and the good shelf life of ANKERGLAS-SN 33 and, therefore, can be used in a more universal way. Similar to ANKERGLAS-SN 33 also ANKERGLAS-SN 27 is produced at atmospheric pressure in the MAGNIFIN-process, the starting materials being reactive Silica and hot sodium hydroxide solution. ANKERGLAS-SN 27 consists of approx. 84 wt.% highly water soluble sodium waterglass and of approx. 16 wt.% refractory binder additives. These additives are insoluble not only in water but also in acids and bases. They may appear as dark particles in the pale powdery product.

FIELDS OF APPLICATIONS AND EFFECTS:

ANKERGLAS-SN 27 is a silicate based binder for ceramic products, especially for refractory gunning-masses. The quantities added to the base material are in the range of 3 to 10 wt.% according to the respective demands. The binder-additives directly adhere to the waterglass particles. Thus, the silica content in the product is increased by the silicates of the additives without decreasing simultaneously the very high dissolving velocity of the waterglass. This results in improved technological properties of the refractory repairmasses, e.g. in a better first adherence.

STORAGE:

Very good storing properties in the original packing.

DELIVERIES:

In sacks, 25 kg net each or in „Big-Bags“, approx. 1.000 kg each.
In silo trucks on request.

SAFETY PRECAUTIONS:

Because of its alkalinity ANKERGLAS-SN 27 may irritate the skin. Extremely harmful to mucous membranes, especially to the eyes.

SAFETY INSTRUCTIONS:

Contact with the eyes: Rinse immediately with generous amounts of water and consult a doctor.

Contact with the skin: Wash carefully with water.

Handling: Use protective gloves and face shields. Do not inhale dust.

Chemical and physical properties of ANKERGLAS-SN 27

		typical
LOI (950 °C)	(wt.%)	13 - 18
Drying loss (200 °C)	(wt.%)	8 - 12
SiO ₂	(wt.%) *	approx. 61
Na ₂ O	(wt.%) *	approx. 23
Mol ratio SiO ₂ : Na ₂ O	*	2,68 - 2,79
Weight ratio SiO ₂ : Na ₂ O	*	2,60 - 2,70
Grading < 63 µm	(wt.%)	40 - 70
Additives	(wt.%)	approx. 16
Bulk density	(g/l)	500 - 700

All information is given on the basis of measured figures which have been determined during long production periods and according to normal analytical practice or to our own standards, respectively. However, further developments and adaptations of our products according to the requirements of our customers may result in changes of the above figures.

* Referring to the waterglass component.