

Declaration of conformity no. 19

Compliant with PN-EN ISO/IEC 17050-1:2010 standard

1. Product manufacturer
Kopalnia Gipsu i Anhydrytu „Nowy Łąd” Sp. z o.o. w Niwnicach
[“Nowy Łąd” Gypsum and Anhydrite Mine in Niwnice - a limited liability company]
59 – 600 LWÓWEK ŚLĄSKI
2. Product name
Mining anhydrite binder type GSA PLUS
3. Statistical classification of product
PKWiU [Polish Classification of Goods and Services] no. 23.64.10.0
4. Purpose and scope of application
Mining anhydrite binder type GSA PLUS is used as a protective and insulating gunite within underground mine workings, to fill voids between supports and rocks as well as to seal barriers and as a fire protection.
5. Technical specification
WTO 03/2012 of 8th May 2012
6. Declared technical features of the product

No.	Technical feature	Declared value
1.	Bulk density of the binder [g/ cm ³]	1.2
2.	Setting time : - start [min] - end [min]	40-80 70-110
3.	Bending strength (MPa) - after 7 days - after 28 days of hardening And after drying to constant weight	>5
4.	Compressive strength [N/mm ²] - after 7 days - after 28 days of hardening and after drying to constant weight	>15
5.	Time in which the binder should not produce deviations from the requirements	180

7. Name and identification number of certification body or laboratory and certificate number or number of research report

Central Mining Institute, Certification Body in Katowice
CERTIFICATE NO. B/2316/2012

I hereby declare with full responsibility that the product meets requirements of the Polish and the EU laws within the scope of release to the market and use within underground mines in hazardous conditions.

NIWNICE , 24th October 2012

I hereby approve

PREZES ZARZĄDU

S. J. M.
mgr inż. Stanisław Małek