

## Declaration of conformity no. 18

### 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**
3. Statistical classification of product  
**PKWiU [Polish Classification of Goods and Services]  
no. 23.64.10.0 CN-25.20.1000**
4. Purpose and scope of application  
**Mining anhydrite binder type GSA** is used within underground mine workings as gunite to fill voids between supports and rocks, to construct barriers and insulating plugs, to create protective zones as well as for preventive fire protection.
5. Technical specification  
**WTO 02/2006; update of 6th July 2012; 3rd issue**
6. Declared technical features of the product

No.	Technical feature	Declared value
1.	Bulk density of the binder [ g/ cm <sup>3</sup> ]	1.2
2.	Setting time : - start [ min ] - end [ min ]	40-60 80-100
3.	Bending strength (MPa) - after 7 days - after 28 days of hardening And after drying to constant weight	5-10 5-11
4.	Compressive strength [N/mm <sup>2</sup> ] - after 7 days - after 28 days of hardening and after drying to constant weight	20-33 22-33
5.	Time in which the binder should not produce deviations from the requirements	6 months

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 /1613/III/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 , 23rd October 2012

I hereby approve

PREZES ZARZĄDU

  
mgr inż. Stanisław Małek