



www.gebar.pl

# G E B A R

Agata Barczyk and Grzegorz Barczyk  
general partnership

Komuny Paryskiej 14  
41-100 Siemianowice Śląskie  
POLAND

tel: (+48) 32 35 34 226  
fax: (+48) 32 60 29 120

e-mail: [biuro@gebar.pl](mailto:biuro@gebar.pl)

## The universal feeder GEBAR type PW-500

### Intended use:

The universal feeder GEBAR type PW-800s is used to produce and pump mixtures of suspensions, liquids and gels based on mineral binders, gypsum, cement, glue, dust and other materials used in underground excavations classified as levels a, b or c of methane explosion hazard and levels A or B of coal dust explosion hazard. The device may be powered by electric, pneumatic or hydraulic engine.

The mixture produced in the feeder may be used for making insulating floor-strips, constructing dams, insulating and explosion-proof plugs, filling the gaps in the orogen etc. in underground excavations of mining companies.

### Technical specification:

Efficiency	m <sup>3</sup> /h	2 ÷ 15	
Range of horizontal pumping	m	Circ. 250	
Range of vertical pumping	m	Circ. 95	
Feeding hose diameter	mm	Ø 25 ÷ Ø 52	
Granulation of the substance	mm	max. 8	
Pumping pressure	MPa	max. 3	
Pressure of supplying water	MPa	0,3 ÷ 1,0	
Quantity of supplying water	l/min	3 ÷ 200	
Dimensions: length x width x height	mm	1250 x 720 x 700	
Weight	kg	with electric engine	~350
		with pneumatic engine	~325
		with hydraulic engine	~260



## Certificate of compliance issued by Institute of Mining Technology KOMAG

### The Universal Feeder GEBAR type PW-500 has a CE signature and feature of explosion protection EX I M2

#### The feeder PW-500 and PW-500p with lever:

- is destined for supplying granulated baggy binders of any kind
- can supply the binders like pirogel, pirofix for prevention against fire: pirofix has hard to obtain proportion: [1 u of the dust: 18 u of H<sub>2</sub>O] – because of the special lever the machine ensures getting those proportions, whereas substitutions available on the market do not always guaranty it.
- is constructed compactly and has a low weight – it is a mobile device, for a potential usage in mines by the rescue teams for immediate prevention, corrections and/or finishing current works etc.
- thanks to its mobility can be used to mechanical liner
- maximum pumping pressure  $P_{\text{pump.}} = 20 \text{ atm}$  (Mono WT-820 and simmlar have up to 8 atm.)
- has three alternative power supplies: electric, hydraulic or pneumatic

Moreover, we are working on the edition for sticking anchors with a regular cement of the class 32,5 – this technology is mainly used in Polish mining industry