

**397****Coal dust** in 35 kg bags

Lustrous carbon formers for bentonite-bonded green sand moulds.

On account of a low oxygen content and a special treatment, only small quantities of carbon monoxide are released on decomposition in the moulding sand.

Type	Description	Chemical analysis		
<b>Item No.</b> <b>397.001</b>	Of a selected stone coal quality so that only 80 to 90 % of the conventional addition must usually be added to the moulding sand, ample deposition of lustrous carbon, good softening behaviour.	coking residue	% waf	66-70
<b>IKO-N</b>		volatile constituent	% waf	30-34
		lustrous carbon	% wf	10
		sulfur	% wf	0,9
<b>Item No.</b> <b>397.002</b>	Synthetic coal dust, consisting of a mixture of different coal grades and additives; less ash and sulfur, 200 % improved softening behaviour, forms especially high amounts of lustrous carbon.	coking residue	% waf	56-59
<b>IKO-S</b>		volatile constituent	% waf	41-44
		lustrous carbon	% wf	16-18
		sulfur	% wf	0,8
<b>Item No.</b> <b>397.005</b> <b>Combiadditive</b> active	Consists of special bitumen and coal dust; selected raw materials which achieve best results in the foundry industry; quantity to be added: only 50 %.	coking residue	% waf	59-61
		volatile constituent	% waf	39-41
		lustrous carbon	% wf	16-18
		sulfur	% wf	0,9

**Mixtures of lustrous carbon formers and bentonite**

Upon request

Please specify the desired carbon-system, quality of bentonite, mixing ratio and quantity!

**Coke dust and fines** in 25 kg bags

Upon request

0,7 to 1 % sulfur, of pure coke, in various grain sizes

**Carborizing graphite**

Upon request

poor in sulfur, in various grain sizes

**Lamp black** in 25 kg bags

Item No. 399.001

used as ingot mould lubricant, carburizing and reduction medium

**Mould blacking** in 50 kg bags

Item No. 400.001

graphite-based, high carbon content, to be stirred into water, high yield, ready for use, apply with a brush or with spraying equipment, resistance to abrasion, gives excellent casting surface finish, for thin and thickwalled castings, can also be used for dusting moulds, without impurities

**Silver powder graphite** in 25,5 kg bags

Item No. 401.001

pure quality, very finely ground, carbon content 85 to 90 %, without impurities

**Bohemian graphite** in 25 kg bags

Item No. 402.001

prime refined product, carbon content 50 to 55 %, ground

**Beech charcoal**

- a) charcoal lumps in 15 kg bags  
b) charcoal grit in all grain sizes in 25 kg bags  
c) finely ground charcoal dust in 50 kg bags

Item No. 403.001

Item No. 403.002

Item No. 403.003

**Slag binders** in 25 kg bags

AISI-based, isolating, no loss of temperature. To be applied on the molten metal surface as reaction agent for the slag, which will be bounded so it may easily be skimmed.

a) for cast iron and steel above of 1350°C, grain size 0,8 – 2,5 mm

Item No. 403.101

b) for heavy metals up to 1300°C, grain size 0,5 – 0,8 mm

Item No. 403.102

**Bayer-special moulding gypsum** in 50 kg bags

Item No. 404.001

excellent hardness (80 N/mm<sup>2</sup>), minimum swelling (0,30 %), especially high density, maximum precision, mixing ratio gypsum/water 2,13/1**Heliodur 40-gypsum** in 50 kg bags

Item No. 404.002

Brinell-hardness 74 N/mm<sup>2</sup>, swelling 0,24 %, mixing ratio gypsum/water 2,13/1**Alabastrite for patternmaking SUPRADURO**

Item No. 405.001

in 50 kg bags

Brinell-hardness 46,0 N/mm<sup>2</sup>, swelling 0,24%, mixing ratio gypsum/water 1,61/1. Special quality, finely burnt.**397A****398****398A****399****400****401****402****403****403A****404****404A****405**