

OPTAPIX CS 76

Carbonizing binder



Chemical basis:

Organically modified carbohydrates

Characteristics:

Appearance: yellow liquid
Active matter: approx. 78 %
Solubility: water-miscible
Density (20 °C): approx. 1.44 g/cm³
pH (10 %): approx. 2
Viscosity (20 °C): approx. 20000 mPas

Shelf-life / Packaging:

12 months under proper storage conditions
drums of 40 and 150 kg, containers of 1100 kg and road tanker

Application:

OPTAPIX CS 76 is a liquid carbonizing binder.

As a result of its modification, the product eliminates water from its basic structure at temperatures over approx. 150 °C until only carbon remains. The carbon yield after this dehydration is approx. 20 % (determined after reductive firing at 1000 °C).

Carcinogenic substances are not released during the dehydration and tempering of OPTAPIX CS 76.

The product is primarily employed for temporary binding, and for impregnation of carbon-containing components.

The amount to be added is 2 to 8 % of the total mix, depending on the body type and its purpose.

Note:

On account of the considerable reduction in viscosity as the temperature is raised, OPTAPIX CS 76 should be heated to approx. 60 °C before being used to impregnate ceramic bodies.

The above results have been obtained from trials in our laboratory and plant. In the light of changing conditions they can serve only as a guide and are therefore offered without obligation. We ask you to observe the possible rights of third parties.