

OPTAPIX S 51

Temporary binder



Chemical basis:

Modified starch

Characteristics:

Appearance: yellowish powder
Solubility: swells in cold water
Bulk density: approx. 500 g/l
pH (1 %): approx. 6
Viscosity
(10 %, 20 °C): approx. 5000 mPas

Shelf-life / Packaging:

12 months under proper and dry conditions
Bags of 25 kg

Application:

OPTAPIX S 51 brings about an increase in the green and dry breaking strength. Its ability to bind water also results in plasticizing effects.

The product can be used in dry and semi-dry pressed bodies as well as in extrusion bodies.

The mode of action of OPTAPIX S 51 depends on the creation of adhesive forces between the raw material particles. A suitable binder-water ratio allows the formation of a film which attaches itself to the raw material particles and thus brings about adhesion.

The amount added depends on the body type and the desired strength, and ranges between 0.1 and 1.0 % of the solids content of the body. Addition can be made dry or as an approx. 10 % stock solution.

Please note that when using OPTAPIX S 51 in stock solutions, glazes and/or body slips, anti-bacterial biocide use is strongly recommended. Consequently, the dosage needs to be adapted to the process conditions. Adequate products and their specific application instructions can be found on our homepage www.zschimmer-schwarz.com or will be sent to you upon request.

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.