OPTAPIX PA 43

Temporary binder

Chemical basis:

Polyvinyl alcohol preparation

Characteristics:

Appearance:	bright yellow granulate
Solubility:	water-soluble
Bulk density:	approx. 400 - 600g/l
pH (4%):	approx. 4 - 7
Viscosity (15%, 20°C):	approx. 150mPas
Residue on ignition:	max. 0.5%

Shelf-life / Packaging:

12 months when stored properly and dry
bags of 20kg

Application:

OPTAPIX PA 43 effects an increase in the green and dry breaking strength.

Owing to its good general slip compatibility, this additive is particularly suitable for spray granulation followed by isostatic pressing.

The mode of action 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.

The amount added is between 0.5 and 2.0% of the solids content of the body.

The product should be incorporated into the ceramic body or slip in the form of a ca. 20% stock solution. In order to produce clear, stable solutions, the granules should be scattered with stirring into cold water, and then dissolved by heating to ca. 80°C.

However, ready dissolved preparations are available as products combined with pressing agents, e.g. OPTAPIX PAF 2.

Note:

Please note that when using OPTAPIX PA 43 in stock solutions, glazes and/or body slips, antibacterial biocide use is strongly recommended. Consequently, the dosage needs to be adapted to the process conditions.

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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.

Should foaming occur when the additive is used, it is recommended that our antifoams CONTRASPUM CONC. or CONTRASPUM K 1012 be employed.

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