

OPTAPIX PA 258

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. 350mPas
Residue on ignition:	max. 0.7%

Shelf-life / Packaging:

12 months if stored proper and dry
bags of 20kg

Application:

OPTAPIX PA 258 brings about an increase in the green and dry breaking strength. On account of its good general slip compatibility it is particularly suitable for the preparation of ceramic bodies by spray granulation.

The mode of action of OPTAPIX PA 258, as a temporary binder, 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 to 2.0% of the solids content of the body.

The additive should be incorporated into the ceramic body or slip in the form of a 10 to 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 polyvinyl alcohol preparations as well as products combined with pressing agents are available.

Note:

Please note that when using OPTAPIX PA 258 in stock solution, glazes and/or body slips, anti-bacterial biocide use is strongly recommended. Consequently, the dosage needs to be adapted to the process conditions.

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.

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More information concerning the dissolution of polyvinyl alcohols, and the ready-for-use preparations, are available upon request.

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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