

# OPTAPIX PAF 2

## Temporary binder



### Chemical basis:

Polyvinyl alcohol preparation

### Characteristics:

Appearance: yellowish liquid  
Active matter: approx. 20 %  
Solubility: water-miscible  
Density (20 °C): approx. 1.08 g/cm<sup>3</sup>  
pH (original): approx. 5.5  
Viscosity (20 °C): approx. 4000 mPas  
Residue on ignition: max. 0.5 %

### Shelf-life / Packaging:

12 months if stored under proper conditions  
drums of 30 and 140, containers of 1000 kg

### Application:

OPTAPIX PAF 2 effects an increase in the green and dry breaking strength. Owing to its good general slip compatibility, OPTAPIX PAF 2 is particularly suitable for the preparation of ceramic bodies by spray granulation.

The mode of action of OPTAPIX PAF 2, 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 and, thus brings about adhesion. The polyvinyl alcohol types selected ensure high strength.

OPTAPIX PAF 2 is a preparation that already contains a pressing aid. This acts as a pressure-equalizing agent and also as a softener of the individual granules. Hence, the granules are softer, so that no structures remain in the pressed part that could adversely affect the structural integrity of the finished product.

The availability of this ready-for-use preparation makes dosage simpler for the user during the process of manufacture. The amount added is between 2.0 and 5.0 % of the solids content of the slip.

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.