



LITHOPIX P 1

Chemical binder

Chemical basis

Monoaluminium phosphate solution

Characteristics

Appearance	colourless liquid
Active matter	approx. 50 %
Density (20 °C)	approx. 1.5 g/cm ³
pH (1 %)	approx. 2.5
P ₂ O ₅ content	approx. 35 %
Al ₂ O ₃ content	approx. 8 %

Shelf-life / Packaging

24 months under proper storage | drums of 45 and 150 kg, containers of 1100 kg

Application

LITHOPIX P 1 is an alkali-free chemical binder for refractory bodies and bricks.

High strength can be obtained even after tempering at ca. 500 °C. Poly-condensed phosphates are produced on heating. Complete conversion to aluminium metaphosphate takes place above 500 °C.

LITHOPIX P 1 is added to the body with the make-up water or undiluted. The amount to be added is 3 to 8 % of the solids content of the body.

Note

Slight streak formation at the container rim may occur during prolonged storage. This does not adversely affect the application properties of the product.

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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