

KAPPAFOS E 22

Activated polyphosphate

Chemical composition	preparation of sodium polyphosphate and alkyl phosphonate
Appearance	white powder
pH-value 20 °C	approx. 9.0 (1 %)
Bulk weight (g/l)	approx. 600
Ionic charge	anionic

Function

KAPPAFOS E 22 has a high alkaline earth binding power. The calcium binding power is 120 mg CaO/g.

KAPPAFOS E 22 can also be used at a higher alkalinity (up to 8 ml/l NaOH 38 °Bé = 3.5 g/l caustic soda). In comparison, usual polyphosphates are only resistant up to 3 ml/l NaOH 38 °Bé (= 1.3 g/l caustic soda).

Despite this very good chelating property, the product has no demetallizing effect on dyes based on metallic complexes (e. g. certain reactive and direct dyes). KAPPAFOS E 22 also offers the typical properties of polyphosphates such as dispersing effect, soil suspending capacity and detergent-increasing effect.

Application

KAPPAFOS E 22 can be used throughout the entire wet finishing. Typical applications are enzymatic desizing, direct and reactive dyeings, reactive printings with alginate thickening and various washing processes.

The application level depends on the respective application and the local water conditions.

The application level per 1 °dH and 1 litre of water:

- max. 0.08 g KAPPAFOS E 22

This comparatively low application level also results in a correspondingly low phosphate load of the waste water.

Dilution instruction

KAPPAFOS E 22 is stirred into warm water. Max. 15 % solutions can be produced at room temperature.

Storage

KAPPAFOS E 22 remains stable for at least 1 year if stored properly and dry in a tightly closed original container.

Contact

KAPP Chemie
 info@kapp-chemie.com
 +49 / 6772 / 9311-0

