

KAPPACRYL GREEN GLOW ECO

Ecological paste with luminescent effect

Chemical composition	water-based acrylate dispersion with metal oxides and additives
Appearance	greenish, pasty dispersion
pH-value 20 °C	7.0 - 8.0 (product)
Dry content (%)	approx. 56
Density 20 °C (g/ml)	approx. 1.3
Viscosity (mPas)	3,500 - 6,500

Function

KAPPACRYL GREEN GLOW ECO is a paste with luminescent effect ("glow in the dark"), based on a formaldehyde-free binder. The paste is mainly used for textile coatings but it can also be applied on surfaces such as wood, stone or paper.

When exposed to light, the product recharges by natural light sources occurring in UV light. Natural light sources have strong UV components, the used electric lamps such as fluorescent lamps and energy-saving light bulbs also have a rich UV spectrum. Once the color is in darkness, it emits a yellow to green light. This effect decreases steadily until the next recharge. The luminosity remains 8 – 12 hours. The best result is achieved with a fluorescent light preferably on white background.

Textiles finished with KAPPACRYL GREEN GLOW ECO are resistant to dry cleaning and washable at 30 °C.

Application

KAPPACRYL GREEN GLOW ECO is a paste that contains non-soluble pigments. The product can be applied as any other viscous compound. For screen printing processes a mesh-size of 250 – 300 microns must be used, otherwise the solid pigment can not be applied to the substrate.

In order to adjust the viscosity, KAPPACRYL GREEN GLOW ECO can be diluted with water or re-thickened with a thickener. The product should not be exposed to shear forces due to its pigments.

The application level depends on the desired viscosity and must be determined in preliminary tests.

The finished goods should be dried at 100 °C. The self-crosslinking property of the polymer is achieved at a temperature of 140 °C during 2 – 3 minutes.

Dilution instruction

KAPPACRYL GREEN GLOW ECO can be diluted with water.

Storage

KAPPACRYL GREEN GLOW ECO remains stable for at least 6 months if stored properly in a tightly closed original container.

Do not expose to frost!

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