TUBIFAST AS 6087 FF

Characterization

Formaldehyde free*, self-crosslinking emulsion polymer

Chemical Structure	Copolymer based on styrene and acrylic acid ester
Supplied Form	White liquid
pH Value	5.0 – 6.0
Ionic character	Anionic
Specific Weight at 20 °C	Approx. 1.0
Viscosity	1000 - 3000 mPas (Brookfield RV, spindle: 3, 50 rpm)
Stability/Compatibility	TUBIFAST AS 6087 FF is very well compatible with the auxiliaries usually applied in pigment printing. Product has an outstanding stability against electrolytes. The product is very sensitive to frost; irreversible changes occur after the impact of temperatures around the freezing point. It is sensitive to temperatures higher than 40 °C.
Storage	In a cool and dry place in well-closed original containers but not below + 5°C and above 35°C. Opened containers must be closed again well, as the product tends to form a skin. The product must be protected from frost. We recommend not exceeding a storage time of 12 months.

Properties

Film properties	After curing TUBIFAST AS 6087 FF produces a dry film which is soft, non-tacky and glossy. TUBIFAST AS 6087 FF does not cloud the dyestuff pigments but makes them appear clear and brilliant.
Function	Due to its formaldehyde free property, TUBIFAST AS 6087 FF can be used where high ecological demands have to be fulfilled. Product has excellent application properties. TUBIFAST AS 6087 FF is a high solid content product which is highly suitable as a binder for pigment printing systems when an outstanding soft handle is required. Due to the high mechanical and chemical stability, the binder dispersion exhibits good redispersability and running properties during the printing process. Prints with TUBIFAST AS 6087 FF produce excellent fastness to washing, rubbing and dry cleaning because of the pronounced binding characteristics of the polymer.

Application

Textile Substrates

TUBIFAST AS 6087 FF can be applied on all kinds of textile materials commonly used in textile printing. For improving the fastness level we recommend to add 5.0 - 10.0 g/kg formaldehyde free fixing agent (e.g. TUBIFIX P 70).

Curing conditions

To obtain maximum fastness, it is suggested to cure at 150°C for 4 - 5 minutes.

Storage of Ready for Use Print Pastes

Should ready for use print pastes be stored for a prolonged period, it is advisable to cover them with a plastic film. In addition, the pH value of the print pastes should be adjusted to at least 7.5 - 8.0 by adding ammonia. Straining the print pastes before printing is recommended in any case.

* To us formaldehyde-free means that all recipe components neither contain nor release formaldehyde during production or processing.

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

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