TUBIPERL CSF

Characterization	Ready to use paste for textile pearlescent printing
Chemical Structure	Thickened acrylate dispersion with pearlescent pigments
Supplied Form	Grey-white, silver color paste
Ionic Character	Anionic
pH Value of a 10 % solution	6.0 - 9.0
Viscosity	7000 -17000 cps
Stabilities	The product is highly sensitive to frost. Irreversible changes occur after the impact of temperatures around the freezing point. The product is sensitive to temperatures higher than 40 °C.
Storage	In a cool and dry place but not below + 5 °C, in well-closed, original containers. We recommend not exceeding a storage time of 12 months. The product has to be stirred up thoroughly before use. Opened containers must be closed again tightly.

Properties

TUBIPERL CSF is a formaldehyde-free* pearlescent printing paste. It can be applied on any type of textile material which is sufficiently heat-resistant.

The product has very good dry-cleaning fastness.

Application Procedure

TUBIPERL CSF can be blended with common pigment dyestuffs in order to achieve the desired shade. Usually, 5 % dyestuffs are enough.

Although the printing effect obtained by using yellow pigment is very similar to the printing obtained with metal pigments, it has a softer handle.

Printing with metal pigments is similar to printing with pure metal pigments and has the same advantages.

The correct adjustment of the print paste viscosity is decisive for an optimum print result and good running properties. The viscosity can be reduced by adding 5 % water without remarkably impairing the fastness properties. For increasing the viscosity a synthetic thickener (e.g. TUBIVIS DRL 300) ought to be added.

When special handle and fastness properties are required, suitable softener (TUBISOFT PS) and / or crosslinking agent (TUBIFIX ML 55) can be added just before the ready-made printing paste application.

Many application problems can be solved by adding 20 - 40 g / kg TUBIGAT A 80.

Printing Process

TUBIPERL CSF is suitable for being applied in flat bed, rotary and roller printing processes. The guiding figures for screen finenesses are as follows:

Flat-bed process	29 – 48 threads/cm
Rotary printing process	60 mesh or 105 mesh

Drying and Fixation Terms

Same as for pigment printing, for crosslinking of the binder system should be fixed at 150 - 170 ° C for 5 - 2 minutes after the drying process at 130 ° C. For increasing the gloss the prints can be additionally calendered.

* 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.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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