TUBIPERL SILVER

Characterization	Ready-for-use paste for pearlescent printing
Chemical Structure	Thickened acrylate dispersion with pearlescent pigments
Supplied Form	Shiny, medium viscous paste
Ionic Character	Anionic
pH Value	7.5 – 8.5
Stabilities	TUBIPERL SILVER is highly sensitive to frost. Irreversible changes occur after the impact of temperatures around the freezing point.
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 six months. The product has to be stirred up thoroughly before use. Opened containers must be closed again tightly.

The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

Properties

TUBIPERL SILVER is an aqueous, pearlescent paste standing out particularly by a very high gloss level, an easy handling and a good fastness level.
In addition to the high gloss level TUBIPERL SILVER gives a very even and smooth surface.

Application Procedure

Fibre Materials

TUBIPERL SILVER can be applied to any type of textile substrate that is sufficiently heat-resistant.

Preparation of Print Paste

For increasing the fastness level we recommend the addition of fixing agents such as e. g. TUBIFIX ML 55 in quantities of 10.0 – 20.0 g/kg.
Problems with the running properties can normally be solved by adding 20.0 – 40.0 g/kg TUBIPRINT BL.

Printing Process

TUBIPERL SILVER is suitable for application on flat-bed and rotary printing machines. The guiding figures for screen finenesses are as follows:

18 – 43 threads/cm for flat-bed and
60 mesh as well as 105 mesh Pentascreen® for rotary printing.

Depending on the effect to be achieved or the substrate to be printed, selection of the screen or fineness of the screen can differ from the stated parameters.

Fields of application not mentioned here, such as coating or gravure printing, require preliminary tests.

Drying and Fixation Terms

Same as for pigment printing, thermal fixation has to be done at a temperature above 140 °C with dry heat, at best at 150 - 170 °C during 5 - 2 min.

Warning

This product may contain up to 40 ppm of formaldehyde.
Its application may release up to < 16 ppm of formaldehyde in the finished article.

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.

Edition: August 2018
CHT Germany GmbH
Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany
Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com