
TUBICOAT PU CPL

Chemical Structure	Dispersion of aliphatic polyester polyurethane
Appearance	White - beige liquid
Ionic Character	Anionic
pH-Value	6.0 – 8.0
Solubility	Soluble in water at any ratio
Stability	TUBICOAT PU CPL is very sensitive to frost; temperatures around the freezing point cause irreversible changes. Product is sensitive to alkali and acids.
Storage	With a proper storage in closed original containers, the product holds for at least 12 months.

Properties

TUBICOAT PU CPL;

- forms medium-hard, UV resistant, glossy films,
- due to its high adhesion property, product can be used for textile/textile lamination,
- is resistant against resins,
- gives high tear and tensile strength results,
- has good pilling results both on knit and woven goods,
- can be used for glitter prints,
- is easy to colour,
- thanks to its good film forming properties, product gives high water column results for coatings.

Application Technique

TUBICOAT PU CPL can be applied by common coating techniques (knife, screen, padding etc.) on woven and denim goods.

TUBICOAT PU CPL can be mixed with

- acrylate dispersions
- silicone dispersions

to achieve special effects. We recommend to make pretrials for compatibility before industrial applications.

TUBICOAT PU CPL can be mixed with thickeners (TUBICOAT VERDICKER LP, TUBICOAT VERDICKER LP 17, TUBICOAT VERDICKER RM 1216). Ammonia should be avoided.

Recipe proposals

Printing / Coating

TUBICOAT PU CPL	98.0 – 99.0 %
TUBICOAT VERDICKER LP	1.0 – 2.0 %

100.0 %

+ 10.0 % COLORMATCH pigments (for glitter prints).

Viscosity can be adjusted to 70 dPas by addition of TUBICOAT VERDICKER LP, TUBICOAT VERDICKER LP 17 or TUBICOAT VERDICKER RM 1216.

Above recipe can be applied both by printing and coating techniques. We recommend to work with coarse screens for printing processes.

It is possible to achieve glossy effects with TUBICOAT PU CPL on denim fabrics. Further calender applications at high temperature can enhance the effect.

Padding

Recommended application amount:

TUBICOAT PU CPL	50 – 200 g/l
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Drying / Fixing

We recommend drying at 100°C and fixing at 160°C for 2 min. TUBICOAT PU CPL can be used with TUBICOAT FIXIERER H 24, TUBICOAT FIX ICB CONC or TUBICOAT FIXIERER HT to obtain better fastness results. Pretirials are advised.

While using with acrylate and silicone dispersions, drying/fixing conditions should be adjusted accordingly.

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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