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## TUBIJET® FAST P11

<b>Character</b>	Primer and post treatment for digital pigment printing on textiles to improve fastness.
<b>Chemical Composition</b>	Mixture of emulsifiers and crosslinking components
<b>Appearance</b>	Liquid, milky dispersion
<b>Ionic Character</b>	Cationic
<b>pH Value</b>	4.8 – 6.3
<b>Density</b>	1.05 g/cm <sup>3</sup>
<b>Solubility</b>	TUBIJET® FAST P11 is miscible with water.
<b>Stabilities</b>	Can be used together with non-ionic or cationic products. Anionic products may lead to precipitation.
<b>Storage</b>	<p>Stir before removal. Store in a cool and dry place in tightly closed, original containers. Opened containers must be closed again tightly. We recommend not exceeding a storage time of 12 months.</p> <p>The product is sensitive to frost; after the impact of temperatures below the freezing point irreversible changes occur. Storage temperatures below 5 °C and above 40 °C can highly reduce the shelf life of the product.</p>

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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

TUBIJET® FAST P11 is a universal applicable product for preparing textiles for digital pigment printing. The product has excellent crosslinking properties without negatively affecting the print. It can be used with all fiber materials and offers the following advantages:

- Improves crock and wash fastnesses
- Increases ink adhesion to the textile
- Formaldehyde-free\*

® = registered trademark

## Technical Guidelines

### Application

Method: Padding

Diluting instructions: The product can be diluted with cold water to any ratio. Be sure to mix well.

Cleaning instructions: Before use, we recommend rinsing all vessels and especially the pumps with water in order to prevent any contamination with anionic substances which could cause precipitations.

### Process

- Primer application before printing by padding

Products	CO Woven	CO Knit	PES Woven	PES Knit
TUBIJET® COLOR P16	40 g/l	20 g/l	40 g/l	40 g/l
TUBIJET® FAST P11	10 g/l	10 g/l	10 g/l	10 g/l
TUBIJET® BALANCE P15		65 g/l	20 g/l	50 g/l
TUBIJET® NWA		5 g/l		

For further recipe please see [https://www.cht.com/cht/web.nsf/id/pa\\_inkjet-druck.html](https://www.cht.com/cht/web.nsf/id/pa_inkjet-druck.html).

Pick-Up: 70 – 80 %  
Drying: 100 – 110 °C 2 min

- Digital printing
- Fixation 160 °C 3 min
- Post-treatment (if required)

Can be applied directly after drying of the digital print and before the final fixation.

Products	Recipe
TUBIJET® FAST P12	30 g/l
TUBIJET® FAST P11	30 g/l

\* 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.

Edition: April, 2024.

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