

## TUBIVIS DL 600

<b>Character</b>	Synthetic thickening agent
<b>Chemical character</b>	Ammonium salt of polymer carboxylic acids
<b>Appearance</b>	Beige, pourable paste
<b>Ionic character</b>	Anionic
<b>pH-value</b>	5.0 – 6.5 (2%)
<b>Specific Weight at 20 °C</b>	Approx. 1.0
<b>Stabilities</b>	<p>TUBIVIS DL 600 is well compatible with the auxiliaries, binders and dyestuff pigments commonly used in pigment printing. TUBIVIS DL 600 is sensitive to agents causing hardness of water, electrolytes, cationic auxiliaries as well as to acids and strong alkalis.</p> <p>The product is very sensitive to frost. After the impact of temperatures around the freezing point, irreversible changes occur.</p>
<b>Stabilities</b>	<p>In a cool and dry place in well-closed original containers. As the product tends to deposit in the container, it should always be stirred up before use. We recommend not to exceed a storage time of 12 months. Opened containers must be closed again tightly.</p>

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## Properties

Highly viscous, pseudo-plastic print pastes with an excellent printing behavior are produced even with small application amounts.

### Sharpness of Outlines

The rheological properties of TUBIVIS DL 600 produce optimum prints on most fabrics. If the print paste tends to bleed while being printed on synthetic fibres, this can be prevented by adding TUBIGAT R 132.

### Preservation

Due to their synthetic structure stock thickenings will normally not be attacked by bacteria, even if standing for a longer time. If it should, however, be necessary to add a preserving agent to ready-made print pastes because of special working conditions or adverse climatic influences it is advisable to use one of the customary preserving agents. Preliminary tests for dyestuff compatibility should be carried out following the recommendations given by the dyestuff manufacturers.

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## Application technique

### Dilution instruction

It is advisable to use stock and reduction pastes in order to ensure an optimum ratio of thickener, binder, softener, fixing agent and pigments of all shades.

Due to the good dispersibility of TUBIVIS DL 600 it is possible to afterthicken thin print pastes by directly stirring in TUBIVIS DL 600, even if the stirring conditions are adverse. You only have to take care that the entire paste is mixed homogeneously.

Since TUBIVIS DL 600 is only partly neutralized, the pH-value of the stock preparation has to be adjusted to a pH value of  $\geq 8.0$  by adding ammonia solution (25 %).

### Fibre Materials

TUBIVIS DL 600 can be printed on all kinds of fibres which are fast enough to heating independent of the type of fibre used.

### Recipe Recommendation

Water	X
CHT-ANTIFOAM BS	2
Ammonia solution 25 %	3 - 5
TUBIFAST	60 - 200
TUBISOFT	0 -15
TUBIVIS DL 600	12 -15
TUBIGAT A 60	3 - 8
TUBIGAT R 160 veya R 130 NEW	0 -10
TUBIFIX	0 -10
	1000

In pigment printing without white spirit or with a low content of it, an addition of an acid donor is normally not necessary since the thickener serves as acid donor. With higher amounts of white spirit and adverse fixation terms we recommend to add diammonium phosphate solution (1:3 in water) as acid donor.

The effective application amount of the thickener depends on the degree of hardness of the water, the content of electrolytes, the auxiliaries and the viscosity desired.

### Drying/Fixation

The prints are given a drying and fixation treatment. The drying temperature may be well above 100°C. Fixation should be effected for 5 min at 150°C or for 2 min at 170°C dry heat in order to achieve optimum fastness levels.

**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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