

TUBIVIS STAR

Character Synthetic thickening agent for pigment printing

Chemical character Ammonium salt of polymeric carboxylic acids

Appearance Light beige paste which can be poured

Ionic Character Anionic

pH-value 8.0 – 8.5 (2.0 %)

Stabilities TUBIVIS STAR is compatible with the auxiliaries, binders and dyestuff pigments commonly used in pigment printing. It is sensitive to agents causing hardness of water, electrolytes and cationic auxiliaries as well as to acids and strong alkalis.

The product is very sensitive to frost; irreversible changes occur after the impact of temperatures around the freezing point.

It is sensitive to temperatures higher than 40 °C.

Storage Store in a cool and dry place in well-closed original containers. Protect from frost. As the product may deposit in the container, it should always be stirred up before use. We recommend not exceeding a storage time of 12 months. Opened containers must be closed again tightly.

Do not store the product under + 10 °C otherwise removal from the container is difficult due to the increase of the product viscosity.

Properties

Preservation

Due to the synthetic composition the thickener preparations are not bacteriologically attacked under normal conditions, even after longer storage times. However, if a subsequent preservation is required, under special working conditions or adverse climatic influences, it is advisable to add one of the common preserving agents. Preliminary tests for dyestuff compatibility should be carried out following the recommendations of the dyestuff manufacturers.

Application

TUBIVIS STAR gives highly viscous, pseudoplastic printing pastes with excellent printing behaviour. Due to its liquid consistency, it can easily be processed and is quickly swollen when being stirred.

Sharpness of Outlines

The rheological properties of TUBIVIS STAR 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 AR or TUBIGAT R 132.

Diluting 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 with all shades. Due to the good dispersibility of TUBIVIS STAR it is possible to afterthicken thin print pastes just by stirring in directly even if the stirring conditions are adverse. You only have to take care that the entire paste is mixed homogeneously.

TUBIVIS STAR is fully neutralized so that an addition of ammonia is normally not necessary. When using strongly acid binder, it is recommendable to carry out preliminary tests in order to avoid that the pH value of the printing paste is too acid. In this case, the pH value must be adjusted to a pH value of ≥ 8.0 by adding ammonia solution.

Fibre Materials

TUBIVIS STAR can be applied on all kinds of fibre materials.

Recipe Recommendation

| | | | |
|--|----------|------|-------------------------------------|
| | x | g/kg | water |
| | 2 | g/kg | CHT ANTIFOAM BSN |
| | 60 - 200 | g/kg | TUBIFAST |
| | 0 - 15 | g/kg | TUBISOFT |
| | 30 - 40 | g/kg | TUBIVIS STAR |
| | 0 - 10 | g/kg | TUBIGAT AR |
| | 0 - 10 | g/kg | TUBASSIST FIX 102 W or TUBIFIX P 70 |
| | | 1000 | g/kg |

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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