

AVCO-TAN P5C HV

THICKENER FOR DISPERSE DYES AND DISCHARGE PRINTING WITH HIGH COLOUR YIELD

AVCO-TAN P5C HV is a modified starch thickener developed for the production of disperse dyes and discharge printing paste.

AVCO-TAN P5C HV is a direct replacement to traditional alginate thickeners.

AVCO-TAN P5C HV got all the known advantages such as increased colour yield and brightness of shades.

SPECIFICATIONS:

Appearance	White or off-white granules.
Chemical nature	Modified starch.
pH (5% dispersion)	10 – 12.5
Ionic type	Anionic
Solubility	Cold water soluble.
Compatibility	Can be used together with all chemicals and dyestuff normally encountered in printing disperse dyes, discharge printing. Should not be used with cationic (basic) dyes. Is not compatible with acids and cationics. Can be used with hard water together with a suitable complexing agent.
Storage stability	Stable for at least 12 months. Store at temperatures of 5 – 40c.

PROPERTIES & USES:

1. AVCO-TAN P5C HV can get high color yeild.
2. AVCO-TAN P5C HV give good levelness of the print.
3. AVCO-TAN P5C HV enhanced fixation of the dyes.
4. AVCO-TAN P5C HV give quick printing paste formation.
5. AVCO-TAN P5C HV give good washing-off properties.
6. AVCO-TAN P5C HV give good reological property with high viscosity.
7. AVCO-TAN P5C HV give good stability, resistance to electrolyte.

The information given in this bulletin is, to the best of our knowledge accurate. It is intended to be helpful is not to be considered a guarantee.

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8. AVCO-TAN P5C HV is free preservative, eco friendly.
9. AVCO-TAN P5C HV is cost-effective thickener to replace alginate.
10. AVCO-TAN P5C HV does not clog the printing screens.
11. Very easy to adjust the viscosity, no need for prolonged swelling time.
12. No dust formation during the paste preparation.

APPLICATION:

1. Stock paste formulations for disperse dyes:

Water	940 - 925
AVCO-POLYQUEST KAL (if needed)	0 - 5
AVCO-TAN P5C HV	60 - 70
Citric acid	0.1 – 0.3
Total	1000

3. Printing paste preparation:

The dyestuffs should be added to the stock paste while stirring. After adding the disperse dyestuffs, the viscosity is little dropping down, and If needed, viscosity adjustment is done easily by adding more thickener during high speed mixing.

4. Fixation:

The fixation should be done in the normal procedure required by the type of the fixation machine and the dyestuffs used.

5. Washing-off:

The washing-off should be done with soft water, or with the tap water provided the addition of complexing agents. The temperature, the type of washing aids and the procedures depend on the machinery and the dyestuffs type.