

# AVCOTAN 465SN

## SYNTHETIC THICKENER FOR REACTIVE AND DISPERSE PRINTING

AVCOTAN 465SN is a high quality, high concentration synthetic thickener developed for substantive dye printing application

AVCOTAN 465SN is a water based rheology modifier suitable for :

- Printing with reactive dyes on cotton and viscose.
- Printing with disperse dyes on polyester and polyamide or acrylic fibers substrate.

AVCOTAN 465SN is designed for very convenient printing formulations which can be effectively thickened by direct addition to the mixture

### SPECIFICATION:

<b>Appearance</b>	White viscous liquid.
<b>Chemical nature</b>	Acrylic polymer
<b>pH (1% dispersion)</b>	6.0 – 7.0
<b>Ionicity</b>	Anionic
<b>Solubility</b>	Dispersible in water, in concentration up to 4-8% to form viscous paste
<b>Compatibility</b>	Compatible with all classes of dyes and natural thickeners except cationic dyes and thickeners
<b>Storage stability</b>	Should be stored at the temperature between 5 – 40°C in tightly closed packages. Stable for at least 12 months.  If by accident, the product freezes, thaw out by placing the container in warm water while mixing thoroughly

### PROPERTIES & USES:

1. Can be used as part of the customer's specific thickener stock preparation( with or without ingredients other than the reactive or disperse dye itself)
2. Suitable for use in one or two phase printing processes with all methods of fixation
3. AVCOTAN 465SN can be used alone or in a blend with natural thickeners such as sodium alginates, tamarind...), It also compatible with all classes of dyes except cationic dyes.
4. AVCOTAN 465SN ensures:
  - Sharper and better print definition than natural thickeners
  - Better color brightness and yield
  - Reducing time preparation of stock pastes
  - Superior handle.

### ***Technical – Information***

5. The advantages of AVCOTAN 465SN are:
  - Extremely easy to use
  - Suitable for automatic units
  - Can be printed over a wide viscosity range
  - Unaffected by bacterial attack..
6. Excellent washing-off properties.
7. Less sensitive with electrolytes.
8. No need to use acid for pH adjustment in disperse printing paste made by AVCOTAN 465SN

### ***APPLICATION:***

1. When preparing the printing paste, all the chemicals and auxiliaries should be added and allowed to dissolve prior to adding the AVCOTAN 465SN. The thickener should be added while mixing, it will easily disperse and fully hydrate in 3 -5 minutes. Finally the pre-diluted dyestuff is added. Adjust the final viscosity if needed by AVCOTAN 465SN
2. Recommended dosage:  
AVCOTAN 465SN : 4 - 8% for reactive and disperse printing depending on the desired viscosity
3. Fixation  
Fixation should be done in the normal procedure required by the type of fixation machine and dyestuffs used.
4. Washing off  
Washing off should be done with soft water, or with tap water with the addition of complexing agents. Temperature, type of washing aids and procedures depends on machinery and type of dyestuffs.