

## TECHNICAL DATA SHEET

### ASTROPRINT COMBI R

#### THICKENER FOR CELLULOSE FIBER PRINTING

#### FEATURES

|                            |   |
|----------------------------|---|
| Chemical constitution      | Blend of synthetic and natural thickeners                                       |
| Physical state             | Viscous paste   |
| Colour                     | Brown   |
| Ionic character            | Anionic   |
| pH ± 1 (as is)             | 7   |
| Solubility                 | Dispersable   |
| Hard water compatibility   | Not applicable  |
| Acids compatibility        | Not compatible  |
| Alkalies compatibility     | Good  |
| Electrolytes compatibility | Not compatible  |
| Storage stability          | 12 months in original closed packaging, at a temperature between +5°C and +35°C |

#### PROPERTIES

- It is a new generation thickener, developed for printing reactive dyes on cellulose fibres, both for woven and knitted fabrics
- It is in the form of a fluid paste, easily dosed and soluble, with rapid swelling
- It is suitable for table, automatic carriage, flatbed and rotary printing
- Thanks to its particular rheological properties, excellent uniformity, print sharpness and penetration are obtained
- It allows obtaining excellent colour rendering and colour brilliance. The main feature of ASTROPRINT COMBI R is its excellent printability

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-Compared to traditional natural thickeners, it has the advantage of a lower dose of use and higher productivity, guaranteeing a more economical process

### APPLICATIONS

The preparation of the pastes can be done:

- traditional method
- dusting method

Indicative dosages

Traditional method

Mother thickener

|                    |       |      |
|--------------------|-------|------|
| ASTROPRINT COMBI R | 40-50 | g/kg |
|--------------------|-------|------|

Disperse in preferably purified water  
shake until a viscous, shiny and homogeneous paste is obtained.

Add the auxiliaries and colorants to the mother thickener.

Print, vaporize and wash at approximately 98°C with DETERGENT ADB.

Dusting method

The excellent solubility of ASTROPRINT COMBI R allows the preparation of printing pastes, if necessary, by simply adding, under stirring, the thickener to the solution of colorant and ingredients, without the need to prepare the mother thickener.

If the resulting pastes are too liquid, the desired viscosity is easily obtained by simply adding, under stirring, more product

|                    |            |
|--------------------|------------|
| ASTROPRINT COMBI R | 40-50 g/kg |
|--------------------|------------|

### NOTE

ASTROPRINT COMBI R can also be successfully used for printing Disperse Dyes on Polyester, with fixation with superheated steam or by heat fixing.

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All data contained in this technical paper are the result of laboratory research backed up by industrial trials. The data should therefore be considered valid in providing help and guidance for better use; of the product but do not guarantee against factors which may escape notice operation and thus have an adverse effect on the results.



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### CERTIFICATIONS

The product meets the following certification:

- GOTS 7.0
- ECOPASSPORT level 3
- ZDHC level 3

### PACKAGING

- 100 Kg Plastic drum

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