

# Technical Bulletin

## DecoTechs 5025

### DESCRIPTION

**DecoTechs 5025** is an anionic cold water soluble carboxymethyl starch product for use as a textile printing thickener.

The product is highly recommended for the printing of vat dyes on cotton fabric and disperse dyes on polyester. The product is also recommended for printing other dyestuffs either or alone or in combination with other thickeners such as guar gums and sodium alginate.

**DecoTechs 5025** exhibits good shear stability and good clarity. The rheological behavior can be considered short and quick.

### BENEFITS

**DecoTechs 5025** has the following beneficial characteristics.

- Excellent Color Yield
- Good Shear Stability
- Sharp Mark
- Smooth & Level Coverage
- Versatile – Thickens Variety of Dyes

### TYPICAL PROPERTIES

|                  |                   |
|------------------|-------------------|
| Color            | Off White         |
| Texture          | Powder            |
| Moisture Content | About 12%         |
| Viscosity (6%)   | 5,000 – 7,000 CPS |
| PH               | 10 - 12           |
| Specific Gravity | >1                |
| Solubility       | Soluble           |

### PREPARATION

**DecoTechs 5025** should be prepared as a 6% stock paste. Add the product slowly to water to avoid lumps. It is recommended to age the paste for 2 hours.

### FORMULATION

#### Disperse Dyes

|                    |        |
|--------------------|--------|
| <b>Print Paste</b> |        |
| Stock Paste        | 94.00% |
| Disperse Dye       | 06.00% |

#### Vat Dyes

|                    |        |
|--------------------|--------|
| <b>Print Paste</b> |        |
| Stock Paste        | 57.00% |
| Potash             | 15.00% |
| Rongalite C        | 17.00% |
| Glycerin           | 06.00% |
| Cut Color          | 06.00% |

### APPLICATION

**DecoTechs 5025** may be applied by rotary screen or flat bed printing machines.

Disperse Print Paste may be fixed by Star Steamer at 102°C for 10 minutes.

Vat Print paste may be fixed with high pressure steamer at 115 - 120°C for about 15 minutes or faster at higher temperature.

### STORAGE

**DecoTechs 5025** should be stored in a cool, dry and well-ventilated area.

### HANDLING

Follow good industrial hygiene when handling **DecoTechs 5025**. Please refer to the Material Safety Data Sheet for details.

### PACKAGING

**DecoTechs 5025** is available in 25 kg bags loaded on pallets.

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