

# Digital Printing Thickener

## DGT-SP

Different from other technologies in the textile industry, the requirements for the thickener of digital printing technology are relatively high, especially for contour sharpness and handling. In the printing process, ink is sprayed onto the cloth which already has thickener pasted on it. This process does not only give high efficient permeability but the sharpness of the pattern contour as well. Because of the structure of digital printing machine, cloth cannot be dried on the same machine like a traditional rotary screen (flat screen) printing machine, so it requires a higher level of water-based thickener to hold the colour. In printing, the permeability and contour sharpness are contradictory, thus it is very important to choose a good thickener. Digital printing thickener DGT-SP meets all the requirements.

### Product description and features

Properties : mixture of modified starch compounds  
Appearance : Light yellow mixture  
Solubility : Soluble in cold water  
Adaptation : Activated inkjet printing

### Reference Material to Make Thickener

0.8%-1.5% DGT-SP is used for thickener based on the type of machine. Different machine requires different viscosity, also different concentration.

### Operation Procedure

Add sodium sulfate into water with continuous stirring water, then add the sodium bicarbonate and urea. After all additives are dissolved, slowly add the final ingredient - DGT-SP. Stir for 5 minutes in order to complete the expansion. Leave overnight before use. Stir a couple times before use.

### Reference For Thickener Recipe

1 High Demand For Permeability : 0.8-1% DGT-SP + 1% penetrant  
2 High Requirement For sharpness : 1% -1.5% DGT-SP

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