



Kohan Print HV8 Natural Thickener

Physical Properties

Chemical Base: Carboxymethyl Tamarind

Appearance: Cream-colored powder

Ionic Character: Anionic

Moisture Content: $\leq 10\%$

Viscosity of 8% Paste: 38,000–42,000 cP

pH: 9–11

Solubility: Easily soluble in cold water in any proportion.

Properties and Characteristics

- This composite thickener is based on tamarind and has a medium viscosity. It is suitable for printing polyester with disperse dyes under hot-air steaming fixation conditions.
- It can be used in its undiluted form for disperse printing on 100% polyester fabrics.
- It provides excellent print uniformity, good color depth, and high color clarity.
- It can be added directly to the printing paste and mixed thoroughly.
- **Kohan Print HV8** should not be mixed with gum arabic, crystal gum, borates, or tannins in printing formulations.
- It is suitable for both rotary screen and flat screen printing and can be readily washed off the fabric.
- It is compatible with commonly used textile printing auxiliaries.
- It exhibits good viscosity stability during prolonged storage.
- It is environmentally friendly.
- **Kohan Print HV8** is suitable for discharge printing and is compatible with Saflin and Saflit.

Application and Usage Instructions

Recommended Formulation:

Dissolve 8 kg of thickener in 92 kg of water. It is recommended to add the thickener gradually to the water while stirring. After mixing, allow the preparation to stand



for 4–6 hours to ensure complete swelling. Finally, mix the paste for a few minutes until it is homogeneous and ready for use.

Warm water may be used to accelerate the swelling process. It is recommended to stir the paste in the storage tank before withdrawing it for use.

Fixation Conditions:

Fixation is preferably carried out at **175°C for 5 minutes** under hot-air steaming conditions.

Removal from Fabric:

1. First, pass the fabric through a cold-water bath for 3 minutes.
2. Then, pass it through a second bath containing:
 - 4 g/L of 32% caustic soda solution
 - 2 g/L of sodium hydrosulfite
 - 1 g/L of penetrating agent

Maintain the bath temperature at **60°C**.

3. Finally, pass the fabric through a third bath containing cold water and 1 mL/L of 30% acetic acid solution. This final treatment completes the removal of the thickener from the fabric.

Storage Conditions

Packaging: Supplied in 25 kg white or brown bags.

In powder form, **Kohan Print HV8** offers good long-term storage stability under cool, dry conditions. However, due to its natural raw-material base, its viscosity may decrease after six months of storage.