



TECHNICAL DATA SHEET

Acrylic LAE18

Acrylic acid and its salt

Acrylic LAE18 find various applications in the textile industry, acting as thickeners, dispersing, sizing agents, dyeing auxiliaries, and in formulations for scouring, desizing, and finishing treatments, improving fabric properties and performance.

Characteristics and advantage:

- Extremely easy to use and highly efficient.
- Excellent workability.
- High electrolyte resistance and high flush resistance.
- Superior definition and color yield.
- Effective over a wide pH range.

Basic Properties:

| | |
|-------------|-------------|
| Appearance | White solid |
| pH Value | 5-8 |
| Solubility: | Insoluble |

Application process:

Water is added to the pre-weighed **Acrylic LAE18** with gentle agitation to prepare a thickener stock. Binder, pigment, and other ingredients of the printing paste formulation are then added to the thickener stock to make the final printing paste. For example, a printing paste with the composition

Guide line Recipe:

Standard recipe

| | |
|----------------------|---------------|
| Pigment Series | 01gm- 10 gm |
| Binder | 80 gm- 100 gm |
| Acrylic LAE18 | 25 gm |
| Water | |

For medium Color

| | |
|----------------------|--------------|
| Pigment Series | 10 gm- 30 gm |
| Binder | 100-120 gm |
| Acrylic LAE18 | 25 gm |
| Water | |

For Dark color

| | |
|----------------------|----------------|
| Pigment Series | 30 gm- 60 gm |
| Binder | 120 gm -150 gm |
| Acrylic LAE18 | 25 gm |
| Softener | 10gm-20 gm |
| Water | |

pH The pH of the print pastes should be at least 7.5-8. Lower values must be adjusted by ammonia.

To Fixation Hot-air fixation produces the optimum standard of fastness. The following temperatures and times are recommended:

3 – 4 minutes at 150 °C or

1 – 2 minutes at 160 –170 °C.

Fixation with steam should be carried out for 4 – 5 minutes at a minimum of 160 °C. This method also produces a good standard of fastness, but somewhat below that of prints fixed with hot air.

Packing:

130KG/Drum in blue drum.

[Memo: All recommendations are given only for reference; please test before use.]