

TECHNICAL TUESDAYS

TOPIC: Continuous Dyeing Range

REF: TT/ Mar 2016/ WK 2

What is Dyeing?

Dyeing is the process of adding color to textile products like fibers, yarns, and fabrics.

What is CDR?

The CDR Process is most suitable for woven and knitted fabrics. Here textiles are fed continuously into a dye range at a higher speed.

Steps involved in CDR:

1. Dye application (By padder)
2. Dye Fixation (By heating or steaming)
3. Washing (For removing unfixed dyes)

Advantages of CDR Process:

- Time Saving
- More Production
- Reproducibility of shade
- No Centre-Side variation
- No Tailing Effect
- Perfect Dye penetration
- Crease free & low tension fabric transport
- Easy to operate



Types of CDR Processes:

1. Pad-Steam – Wet on Wet Process:

Process Step: Padding →Steaming (In Wet) → Washing/Rinsing

2. Pad-Dry – Pad-Steam – Process:

Process Step: Padding →Drying→Padding→Steam→Washing/Rinsing

3. Thermfix Process:

Process Steps: Padding →Drying→Thermasol unit(220°C) →Washing/Rinsing

Wishing you a great week ahead!

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