

TECHNICAL TUESDAYS

TOPIC: Precaution to be taken to avoid yellowing on Denims

REF: TT/ Nov 2016/ WK 5

Precautions:

- Prevention of back-staining during de-sizing, enzyme wash or stone wash is necessary as loose indigo on un-dyed weft is prone to yellowing.
- To ensure proper rinsing of fabric before finishing, which results to eliminate residues of surface active agents and other chemicals which interfere in the protective action of the fabric.
- To ensure removal of Mn^{+2} residues on the fabric by treating with proper sequestering agent (In cases where Potassium Permanganate is used for fading of the fabric).
- Avoid the application of softeners/finishing chemicals that accelerate indigo decomposition (Initial screening in laboratory is recommended).
- To ensure drying of the fabric rapidly, as wet garments are more prone to yellowing.
- Usage of suitable packing material to avoid phenolic yellowing.
- Avoid packing material containing BHT (antioxidant).
- Avoid exposure of garments to light, atmospheric ozone and NOx.
- To ensure proper ventilation at store rooms to avoid the build-up of NOx.
- Avoid fuel-based trucks and fork lifts. Instead the use of electrically operated vehicles are recommended to avoid the build-up of exhaust fumes within the warehouse.
- Avoid storage and display of denim fabrics in highly polluted areas with higher amounts of petro-chemical smog.

Wishing you a great week ahead!

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