

TECHNICAL TUESDAYS

TOPIC: Precautions to be taken to avoid yellowing on denims

REF: TT/ Feb 2016/ WK 3

Precautions:

Prevent back-staining during de-sizing, enzyme wash or stone wash as loose indigo on un-dyed weft is prone to yellowing.

Ensure proper rinsing before finishing to eliminate residues of surface active agents and other chemicals which will interfere in protective action.

Ensure removal of Mn+2 residues by treating with proper sequestering agent, if Potassium Permanganate is used for fading.

Avoiding softeners/finishing chemicals that accelerate indigo decomposition (Initial screening in laboratory is recommended).

Dry the garment as quickly as possible, as wet garments are more prone to yellowing.

Use suitable packing material to avoid phenolic yellowing.

Avoid packing material containing BHT(antioxidant).

Avoid exposure of garments to light, atmospheric ozone and NOx.

Ensure proper ventilation in store rooms to avoid the build-up of NOx.

Avoid fuel-based trucks and fork lifts. Instead use electrically operated vehicles to avoid the build-up of exhaust fumes in 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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arc@resil.com | www.resil.com