

# Technical Tuesday

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## Moisture management Finish in Textiles

### What is moisture management Finish in textiles?

- Moisture management finish in textiles can be defined as “The controlled movement of water vapour and liquid water (perspiration) from the surface of the skin to the atmosphere through the fabric”

### Need Of Moisture management for textiles:

- When a synthetic material is subjected to this moisture management treatment, it develops improved hydrophilicity followed by very fast drying behavior.
- In case of synthetic blends subjected to this treatment, their drying rate becomes much faster.
- In the case of natural fibres very good absorbency and slow drying rate
- In P/C blends subjected to moisture management treatment will have increased absorbency. The polyester will dry more quickly than cotton and while it dries it keeps on absorbing from cotton and quickens the drying process.

### Application of Moisture management finish on textiles:

#### Moisture management finish with wetting agents:

- The textile fabric is prewashed with a wetting agent consisting of synergetic blend of ethoxylated alcohol (fatty alcohol, ethylene oxide, propylene oxide) at approx 2% concentration for 30 mins at 60 °c.
- After prewashing process the fabric is treated with Amino silicon polyether copolymer (ASPC) or hydrophilic polymer, it will be applied by either padding or exhaustion.
- Amino silicon polyether copolymer (ASPC) will give excellent water absorbing properties.

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- Hydrophilic polymer will give good durability characteristics.
- When it is applied on polyester it form a durable polymer film that readily intract with water imparting hydrophilic groups.
- This durable treatment inhibits formation of static charges, enhance wearer comfort and improve wetting property of polyester.

## Moisture management finish with out wetting agents:

- The fabric is directly treated with Amino silicon polyether copolymer or Hydrophilic polymer; it will be applied by either padding or exhaustion.

## End use:

- Mainly in sports wears

## Resil range of moisture management products:

- Ultrafab UPE (Hydrophilic polymer for polyester)
- Ultrafab HPJC (Hydrophilic polymer for Polyester)
- Ultrafab HPJC Plus(Concentrated Hydrophilic polymer for Polyester)

“HAVE A HAPPY WEEK A HEAD”

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