



**Readye®** is the innovative dyeing process dedicated to **reactive dyes** for **cellulosic fibers**.

## TECHNOLOGY

**Readye®** is a patented technology developed in Zanolo laboratories and suitable for Industrial staple, yarn, fabric and garment dyeing plants.

It replaces all traditional processes with **polyfunctional reactive dyes** on 100% cellulosic textiles or blends with wool or synthetics.

Dyeing is accelerated by our solution that completely replaces traditional electrolytes (**sodium chloride** and sodium sulphate) for greater sustainability and the possibility of waste water **recovery**.

The dyeing process is effective even at low temperatures, providing thermal energy savings.

**Readye®** can be applied in any traditional dye plant, without equipment modifications or changes on your dyestuff selection: our technicians will assist you in adopting this innovative technology.

## BENEFITS

**Water:** up to -60%, with **Readye®** there is no need for traditional initial scouring and given the high dye fastness, final washing and soaping can be reduced. No **Chlorides** or Sulphates are put into the water, allowing recycling of waste water.

**Electric Energy:** -30% thanks to shorter cycles

**Thermal Energy:** -40% thanks to reduced operating temperatures

**Time:** -46% of total time due to reduced dyeing times and less washing required.

**Laboratory:** 50% reduced time in dyeing samples with excellent repeatability.

**Simplicity:** the technology uses only one auxiliary, **Readye XLU**, which is liquid and easy to dose, in addition to the traditional wetting agent, dyes and, if necessary, pH correctors.

**Effectiveness:** the colour value of selected dyes increases by up to +40% compared to traditional processes.

**ZANOLO S.P.A.**

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## PROCESS

Example of comparison between **traditional** production process and **Readye®** treatment in industrial plant, dyeing black color on 100% cotton.

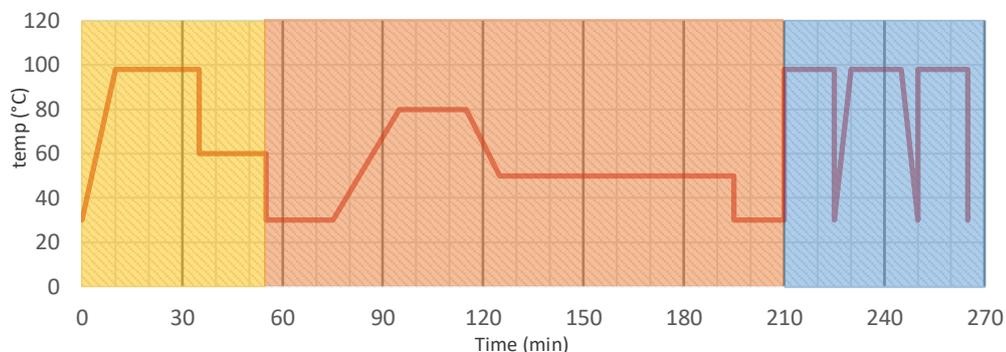
### Traditional Dyeing

SCOURING t = 55 min

DYEING t = 135 min

WASHING t = 65 min

**TOTAL t = 265 min (4:25h)**



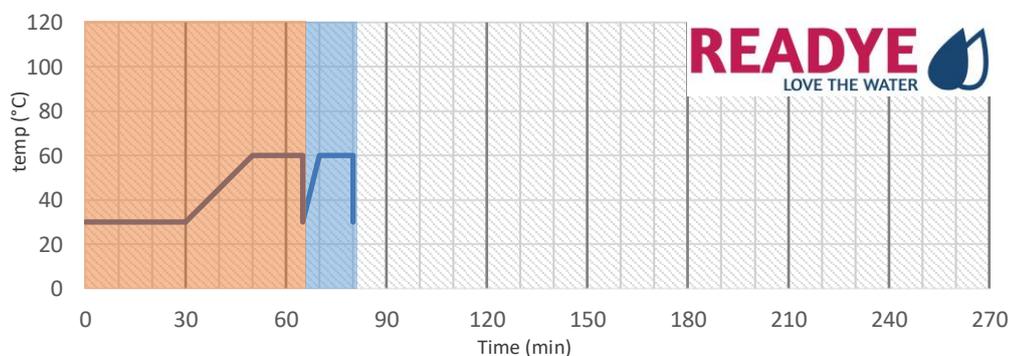
### Readye® Technology

SCOURING /

DYEING t = 65 min

WASHING t = 65 min

**TOTAL t = 80 min (1:20h)**



If you are interested in learning about and adopting **Readye®** technology in your plants, please **contact us** at email: [readye@zanolo.eu](mailto:readye@zanolo.eu)

Our engineers will work out dye solutions suitable for your applications from the recipes and dyestuff classes currently used.

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**Zanolo** has been in the textile finishing business since 1958.

In its plant in Arborio, Italy, it performs dyeing and technical treatments on all types of textile fibers.

The **R&D department** has been working since 2004 to improve industrial processes in terms of performance, innovation and sustainability. It also provides specific consulting and tailor-made auxiliary chemical solutions for our customers.

Visit [www.zanolo.eu/](http://www.zanolo.eu/) to stay up-to-date on our solutions.



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