

TECHNICAL INFORMATION

SEGALEVEL E4R Liq

Levelling agent for reactive dying of cellulosic fibers

Powerful levelling agent that used in dyeing of cellulosic fibers with reactive dyes.

• Controls the migration and fixation of reactive dyes during the reactive dyeing process.

• Due to its buffering effect on dye bath pH, Segalevel E4R Liq. provides better dye fixation during alkaline addition.

• Prevents the dye stains caused by soda ash.

• Improve the solubility of dye and prevents dye stains caused slightly soluble dyes.

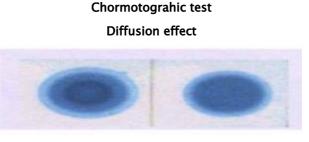
• Due to its sequestering effect on water hardness forming salts in dye bath, helps to improve repeatability of dyeing(etc. Blue 19 and Blue 21).

ComponentAromatic polyether sulfonateAppearanceBrownish liquidIonic characterAnionicpH7.0-9.0CompatibilityAnionicNonionicgoodNonionicgoodCationicIt may cause precipitation
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Compatibility Anionic good Nonionic good Cationic It may cause precipitation
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Solubility Miscible with cold and hot water in any proportion.
Stability Degradable with oxidizing
Foaming performance moderate
Durability Anionic and nonionic good
Cationic possible precipitation

PROPERTIES

Mode of action

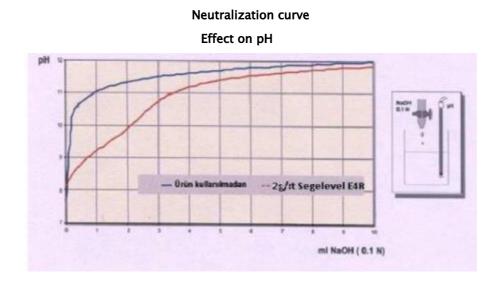
- Effective use of **Segalevel E4R liq.** in any reactive dyeing process simplifies the dyeing process and shorten dyeing time.
- According to dispersion effect, **Segalevel E4R liq**. controls the regular adsorption of reactive dyes and increase the migration power of these dyes.
- Total amount of electrolyte may be added to dyeing liqour in a safe way. The process is simplified.



Without any product 2g/L Segalevel E4R liq.



Presence of **Segalevel E4R liq.** in dyeing bath allows the gradual and controlled change in pH during the addition of alkali. Regular fixation of dye is thus obtained which guarantees dyeing levelness.



As action on temporary hardness of the dyeing bath; addition of 2g/L **Segalevel E4R** liq. in to the dyeing bath neutralizes an hardness of $18^{\circ} f / / 10^{\circ} g / / 14^{\circ} e$

Application

Segalevel E4R liq is dissolved in cold or warm water easily and and without any problem. The solution obtained can be added directly to the dye liquor. The application amount is independent from dye concentration.

We recommended the addition of 1-3 g/L Segalevel E4R liq

Increasing the application amount from 1 to 3 g/L **Segalevel E4R liq** is justified in case of difficult dyeing conditions such as:

- Substrates which are difficult to dye level
- Liquor ratio lower than 1:10
- İnsufficient precise alkali metering

Precautions

<u>Storage</u>: The storage life in original package at 0-40 °C is 12 months.

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