



COLORIQ
The Chemistry Behinds...

COLOR GUARD RFI 365

Rubbing fastness improver for direct, reactive, Sulphur, indigo and pigment dyed fabric.

Product Information

Cellulosic fibres can be easily and distinctly dyed with anionic dyes by reactive dyeing process. However generally speaking, textile material dyed with anionic dyes by reactive dyeing needs some after treatment to improve rubbing fastness, in order to improve the fastness (i.e., both laundry and wet-fastness) of dyed material, and after-treatment chemical are likely applied to the dyed material.

Colorsoft guard RFI 365 is a specialty finishing agent to improve dry and wet rub fastness of all types of dyed and printed cotton and their blends. It is compatible with certain cationic and non-ionic silicone finishing agents. It can be applied by both dry on wet and wet on wet application.

FEATURES

- Improves the rubbing fastness property and quality of the dyed or printed fabric.
- Excellent improvement in wet rub fastness, improve by 1.5 – 2.0 units on direct, reactive, Sulphur, indigo and pigment dyed fabrics.
- Can be applied by exhaustion or padding techniques
- Does not affect the washing fastness and original handle of fabric.
- Can be applied to woven, knits as well as yarn
- Permits improvement of dyeing reproducibility

BENEFITS

- Suitable for finishing of whites & pale shades
- Single product for finishing cotton, polyester, wool and their blends and garments

PROPERTIES

Appearance -----→ Yellow Brown viscous liquid

Ph 1% -----→ Approx. 5.0

Ionic nature-----→ Cationic.

Compatibility with Cationics -----→ Good

Anionics -----→ Poor

Non-ionics -----→ Good

Stability to hard water -----→ Poor

Stability to temperature-----→ Good

DOSAGE & APPLICATIONS

Padding Process:

Preparation of padding bath with Colorsoft guard RFI 365

Take 0.3 – 0.6 g/l acetic acid.

To this, add required quantity of Colorsoft guard RFI 365 (30g/l) and mix it uniformly.

Make the total volume with water (pH 5.5 – 6.5). Avoid using hard water.

Mix well to get uniform solution

Solution of 30 g/l Colorsoft guard RFI 365 will appear slightly hazy and turbid with pH 3.5 to 4.5

Pad dry at 130 – 160°C

Exhaust method:

Take 0.3 – 0.6 g/l acetic acid.

To this, add required quantity of Colorsoft guard RFI 365 (3 – 5 % on weight of garment) and mix it uniformly.

Make the total volume with water (pH 5.5 – 6.5) mix it uniformly.
Avoid using hard water.

Mix well to get uniform solution

Solution of 3 – 5 % Colorsoft guard RFI 365 will appear slightly hazy and turbid with pH 3.5

to 4.5

Exhaust Process

40 °C, 20 – 30 min (with constant stirring)

Dry curing @ 150 – 160 °C, 2 – 3 min

Special instructions

Fabric must be free from anionic component

Avoid using hard water

pH of the fabric should be neutral.

Bath pH must be in between 5.5 to 6.5 and then use.

When used alone gives best results Can be used along with softener to get desired results. Pre-lab trial with softener is required before proceeding for bulk usage.

CAUTION

- 🌿 In case of skin contact, wash with plenty of water.
- 🌿 In case of eye contact, wash with plenty of water and seek medical advice.

PACKING MATERIAL

50KG BAG PACKING.

The storage guidelines for the product

1.Storage Conditions:

- Store the product in its original container.
- Keep it in a dry, dust-free location at temperatures below 50°C.

2.Ventilation and Compatibility:

- Ensure the storage area is well-ventilated.
- Keep the product away from incompatible materials (as specified in the Material Safety Data Sheet) and food items.

3.Container Handling:

- Seal the container tightly after each use.
- Avoid pouring unused material back into the container.

4.Shelf Life:

- The product remains usable for at least 24 months from the date of manufacture.

WORK

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