

Wet Rubbing Agent (MC-WRB)

DESCRIPTION:

Wet rubbing Agent MC-WRB is a waterborne polyurethane polycationic compound. It has an excellent effect of improving wet rubbing fastness and can significantly enhance the wet rubbing fastness of direct, reactive and sulphur dyes when dyeing deep and dark colors on cellulose fibers, especially the wet rubbing fastness of very dark black, bright red, turquoise blue, etc., which can be improved by 2-3 grades.

PRODUCT FEATURES

- * It will not damage the fastness of the dyed fabric;
- * It is used for the fixation treatment after reactive dyeing of cellulose fibers; it has an excellent effect of improving the wet rubbing fastness, which can be improved by 2-3 grades to above grade 3;
- * It has no effect on the light fastness, the fabric has a soft hand feel and has no effect on the color shade and light fastness;
- * It is an environmentally friendly product and does not contain APEO, DMF, formaldehyde, organic halides and heavy metals.

CHEMICAL AND PHYSICAL PROPERTIES

Name : Wet rubbing Agent MC-WRB

Appearance : Light yellow to yellow transparent liquid

pH value : 4.0 ± 1.0 (1% deionized water)

Ionicity : Cationic

Compatibility: Compatible with cationic and nonionic products, and has good acid resistance stability; incompatible with anionic products

Solubility: Miscible with water

Storage: It can be stored for at least 12 months at 5°C - 50°C

Application scope

Suitable for improving the wet rubbing fastness of direct, reactive and sulphur dyes when dyeing on cellulose fibers

Application

1) Immersion method (used for denim washing)

Wet rubbing MC-WRB 4 - 8% (o.w.f.) (adjusted according to the depth of color shade)

Silicone oil MC-1024 2-8% (o.w.f.) (depending on hand- feeling requirements of the customer)

Bath ratio: 1:10 - 20 pH: ≤ 7

Drum: Room temperature $\times$ 20 - 30 min Drying: 100 - 120°C

2) Padding method (recommended process)

Wet rubbing fastness improver HJ-WRB 30 - 50g/L

Silicone oil HJ-1024 20 - 80g/L

Bath ratio: 1:10 - 20 pH: ≤ 7

Process: One dip and one pad Rolling residual rate: 70 - 80% Drying: 100 - 120°C

Setting: 150 - 160°C $\times$ 90 sec

Note:

* The prepared working solution is semi-transparent near 25°C. Please use it immediately after preparation.

* Adequate sample testing should be done before use. The above process is for reference only.

* For customers with requirements for hand feel, it is recommended to use the matching silicone oil MC-1024. After finishing, the influence on the fastness of the fabric is very small.

Safety and health

Please refer to the Material Safety Data Sheet (MSDS) of this product for detailed safe operation steps.

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