

D. K. ENTERPRISE

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REAFIX T – 8

(Non-Formaldehyde Type Fixing Agent for Reactive Dyeing & Printing)
(Eco-Friendly & Oeko-tex Standard Passed product.)

REAFIX T – 8 is a newly available dye fixing agent which is Non-Formaldehyde Type and already confirmed to OekoTex Standards passed, which is improving the wet fastness of reactive and direct dyeing and printing of cellulosic fibers. REAFIX T – 8 is also applicable to after-mercerized dyeing.

1. Composition :

The aqueous solution of cationic polymers (POLYDIALLYLAMINE TYPE).

2. Properties :

- Light yellow clear solution
- Specific gravity = 1.04 (25 °C)
- pH (10 g/l) = 4
- Easily can be diluted with cold water in every ratio

3. Chereacteristics :

- Improves the fastness to water, washing, acid-hydrolysis and chlorinated water.
- Only slight influence on the hue of dyeing.
- No or only slight influence on the light fastness.
- No or only slight influence on the handling touch.
- High resistance to acids, alkaline and hard water.
- Contains no formaldehyde.
- Compatible with many softening and finishing agents provided that they are not anionic.

4. Application :

The dyed, well rinsed material is treated as follows ;

Exhaustion method

REAFIX T – 8 = 2 ~ 6 % o.w.f.
Liquor ratio = 15 : 1 ~ 20 : 1
Temperature = 40 ~ 60 °C
Duration = 15~20 min

Continuous method

Pad the dyeings with 5 ~ 30 g/l solution of **REAFIX T – 8** at 20 ~ 40 °C then squeeze and dry.

5. Cautions in Using

- Insufficient rinsing before fixing treatment can impair fastness properties.
- Avoid the mixing with anionic substances. (Precipitation may occur.)
- The stripping of **REAFIX T – 8** is highly difficult.

Cont'd..2/-

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Fixing Effect

Dyestuff (%owf)	Fixing Agent	Change In Hue	Washing Fastness *1	Acid Hydrolysis Fastness *2	Light Fastness	Chlorine Fastness
Remazol Brill	Non	----	5 5 3	5 5 4	4 - 5	3
Red BB (1)						
Blue R (2)	Reafix T - 8	5	5 5 5	5 5 4-5	4 - 5	3 - 4
Yellow GL (1)						
Sumifix Supra	Non	----	4-5 4	4-5 5	4	3
Brill. Red GF (1)			5	3		
Blue BRF (2)	Reafix T - 8	5	4-5 4-5	5 5 5	4 - 5	3
Yellow 3RF (1)			5			
Kayacion	Non	----	4-5 3	4-5 3	4	3
Red E-SN7B (1)			5	2		
Blue E-NB (2)	Reafix T - 8	5	4-5 4-5	4-5 5	4	3 - 4
Gold.Yellow E-SNR (1)			5	5		
Remazol Brill	Non	----	4-5 5 2-3	5 5 3-4	5	3 - 4
Blue RKN (4)	Reafix T - 8	5	4-5 5 5	5 5 4-5	5	3 - 4

1. Fixing condition : Reafix T - 8 2 g/l ; Liquor ratio 20 : 1 ; 50 °C - 20 min.
2. Washing : JIS - L0844 A-4 (Soap 5 g/l, Soda Ash 2 g/l ; 70 °C - 45 min)
3. Acid Hydrolysis : JIS - L0846 B-16 hrs (Lactic acid 10g/l - squeeze - dry 120°C / 5 min.)
4. Light : JIS - L0842 (Carbon Arc Fade-O-Meter 20 hrs)
5. Chlorine : JIS - L0884 (Available chlorine : 20 mg/l)

In 1 and 2

Left: Change in Shade; **Middle :** Staining on Cotton ; **Right :** Staining on Silk

The information and recommendation presented here were compiled with utmost care, but cannot be extended to cover every possible case. Preliminary test are recommended in all cases.

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- : Note : -

There are three types of Reactive & Direct Dye Fixing Agents :

- 1) Dicyandiamide Type (Conventional Product)
- 2) Poly Amine Type (Conventional Product)
- 3) Poly Cationic Type Reafix T – 8 (New Product - Very Much Resistant to Chlorine Water).