



# Hsin Sou Chemical Co., Ltd.

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## FIX-45

Fixing agent for direct & reactive dyestuff

FIX-45 is a non-formaldehyde polycationic dye fixing agent for direct and reactive dyes.

### Properties:

Appearance	: Light brownish liquid
Chemical nature	: Polyamine and surfactants compound
Ionic nature	: Cationic
pH(1% solution)	: 5.5 +/- 1.0
Solubility	: Soluble in cold water

### Special features :

1. Non-formaldehyde.
2. Improves wet fastness and perspiration fastness on direct and reactive dyes.
3. No adverse effect on light-fastness and alkali resistance of most dyes.
4. No effect on most shades.
5. Does not cause dulling of shades.
6. Can be applied by exhaustion or padding method.
7. Compatible with resin finishes.

Application:

Exhaustion method:

FIX-45 : 1 ~ 2 % owf  
Temperature/time : 50 ~ 60°C/15 ~ 20 minutes  
pH : 5.0 ~ 6.0

Padding method :

FIX-45 : 10 ~ 40 grams per liter  
pH : 5.0 ~ 6.0

※ Amount required depends on depth of shade with lower amount for light shade and higher amounts for dark shades.

Note : Full evaluation is recommended prior to commercial usage.