

NOVOLENE series

NOVOLENE HC series - High Concentration



METAL COMPLEX DYE SOLUTIONS for Leather Finishing

HARYANA
LEATHER CHEMICALS LTD.

NOVOLENE series

NOVOLENE & NOVOLENE-HC Series



Black



Brown



Red



Orange



Yellow



Blue

The Novolene dye solutions are mainly used for staining of leather by spraying and coating, but they can also be used to tint and shade aqueous finishes. These dye solutions are distinguished by their brilliance, high light-fastness and their resistance to spotting by water droplets.

Properties:

The Novolene dye solutions can be diluted with glycol ethers, ethylene glycol monobutyl ether and diethylene glycol monobutyl ether, and with acetic acid esters such as n-butyl acetate, isobutyl acetate and ethyl acetate : can be further diluted with water for use in aqueous systems. Other solvents such as short-chain alcohols can also be used, but their compatibility needs to be tested in advance.

The Novolene liquid dyes give intense shades, and they are resistant to discoloration by water droplets. They can be used to dye all types of leather by spraying or curtain coating and for printing designs on leather.

colors	Novolene	Novolene HC
Black	8±1%	13±1%
Brown	8±1%	12±1%
Red	8±1%	10±1%
Orange	8±1%	12±1%
Yellow	8±1%	12±1%
Blue	8±1%	10±1%
Green	8±1%	10±1%
Pink	8±1%	10±1%
Purple	8±1%	10±1%



Novolene products are free from:

• Formaldehyde • Chrome VI • Cadmium • PCP / TCP • APEO • AZO • Benzidine
• Phthalates • Arylamines • Lead • Banned Solvents

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Application:

The intensity of the shade can be controlled by adjusting the dye concentration, the type of diluent and the diluent concentration. High-boiling solvents such as higher glycol ethers can be added to increase the penetration of the dye into the leather in order to dye the grain layer more effectively. Very deep shades can be obtained by replacing some of the high-boiling solvent with volatile, water miscible organic solvents such as Methanol & IPA.

The stability of diluted solutions of Novolene and finishes that contain them can be limited, and so it is advisable to prepare them just before their application and to use them up as soon as possible. When Novolene liquid dyes are used to shade aqueous finishes, we would always recommend diluting them with glycol ethers before the addition of any aqueous component of the finish.

Dyed or printed leathers should be dried thoroughly before they are piled on top of each other. This prevents any un-evaporated solvent from causing the dye to migrate into the interior of the leather. The water used to dilute finishes or dye solutions should not be too hard. We would recommend using demineralized water if there are any problems with precipitation.

Spray Dyeing: Novolenes should be diluted with 1 – 2 times its own volume of high BP solvent and then with 6 - 7 times its own volume of water.

Dyeing and Shading Finishes : If Novolene Dye Solutions are to be used to colour polymer dispersions such as our ACRIL-M binders, we would recommend diluting them 1:1 with high BP solvent and diluting the binder with water in advance before the dye solution is stirred in.

Dyeing Nitrocellulose Lacquers:

100 parts TOP 46 Lacquer
300 parts Butyl Acetate
5- 10 parts Novolene liquid dye

Safety: Please refer to our safety data sheet.