

## **Moder Liquid® Dyes**

are a range of liquid acid dyes, mainly metal complex highly concentrated solutions of homogeneous, salt-free dyes. They are universally compatible with solvent borne and water borne systems.

For the use with water, ketones and esters, 10 – 20% glycol ethers is recommended.

## **Application of Moder Liquid® Dyes**

- Spray-dyeing
- Immersion
- Printing
- Design printing
- Drum dyeing
- Curtain coating
- Brushing
- Hand padding
- Synchronic roller coating

## **Areas of use Moder Liquid® Dyes**

- base coating, colouring on all types of crust leather
- deepening, correcting the shade of dyed leather
- shading water finishing systems and lacquers
- freshening shades of nubuck and suede leathers
- shading fashionable, glossy finishing effects
- applied in liquid dosing systems
- colouring leather care products
- wood staining

## **Features of Moder Liquid® Dyes**

- The Moder Liquid Dyes provide brilliant shades, very good light fastness and good resistance to water spotting.
- They have a shelf life of at least one year if they are stored tightly closed in the original packaging at 0 - 40°C.
- On leathers that have poor wetting properties, or are very difficult to penetrate, 10 – 40 g/L of ModerCAN LDF liq. and 100 – 400 ml glycol ethers should be added to the dye-solution.

## **SPRAY-DYEING Moder Liquid® Dyes**

Spray-dyeing is the most popular way to apply liquid dyestuffs on crust leather.

## **Suggested Formulation**

- 10 - 100 Parts Moder Liquid Dyes
- 10 - 40 Parts ModerCAN LDF liq.
- 300 Parts glycol ethers
- 560 Parts de-ionised water
- 1000 Parts Total

## **IMMERSION – DYEING with Moder Liquid® Dyes**

With the Immersion dyeing the dyestuff solution will penetrate from both sides into the crust leather.

### **Suggested Formulation**

- 10 -100 Parts Moder Liquid Dyes
- 10 - 40 Parts ModerCAN LDF liq.
- 400 Parts glycol ethers
- 460 Parts de-ionised water
- 1000 Parts Total

## **PRINT - DYEING with Moder Liquid® Dyes**

With the Printing dyeing system we can apply surface dyeing and also design printing effects on the crust leathers.

### **Suggested Formulation**

- 10 - 100 Parts Moder Liquid Dyes
- 10 - 30 Parts PU Binder (as thickener)
- 300 Parts glycol ethers
- 570 Parts de-ionised water
- 1000 Parts Total

## **Application hints Moder Liquid® Dyes**

- The shade intensity of the Moder Liquid Dyes can be controlled by adjusting the dye concentration or the amount and type of solvents used.
- If large amounts of Moder Liquid Dyes are used on suitable prepared leather with uniform absorbency, it is generally not necessary to add solvents to assist through dyeing.
- Very deep shades can be obtained by replacing some of the high-boiling solvent with water-miscible organic solvents such as methanol, ethanol or isopropanol.



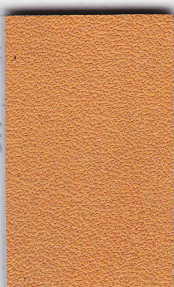
Lennon M2G



Green MG



Orange MR



Havana MG



Red MG



Brown MG



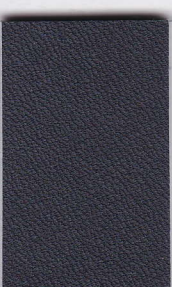
Bordeaux MB



Brown MB



Blue MR



Black MR



Navy MB



Black MS