## 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.