

# Syn-Bios finishing ink dye

Italy based Syn-Bios's corporate philosophy consists of a constant commitment to the research and development of innovative chemical and technical solutions, paying special attention to human health and environmental sustainability.

The significant investment in innovation enables the company to often showcase cutting-edge developments, as in the case of the new range of water-based inks for finish dyeing.

**Ink for Leather Spray** has been devised as an addition to the ground-breaking **Ink for Leather** wet-end line. These products allow to correct and/or further enhance the colour tone obtained after the drum dyeing process, while keeping first-rate standards concerning fastness to light and to migration to PVC. This line is particularly suited to ensure the highest performances especially on nubuck leather, suede and pure aniline, achieving the transparency and brightness levels of the traditional finish liquid dyes, while perfectly



Ink for Leather Spray  
from Syn-Bios

covering leather defects and evening out the surface.

The other recent innovations developed by Syn-Bios are **Full White PU**, a ready-to-use white formulation specifically conceived for items requiring

the maximum white coverage and yield, with good print retention at high temperatures while maintaining a high softness degree.

The **Syn-Flu** range is a totally formaldehyde-free,

water-based fluorescent pigments in which the high refining level of the particles and the intensity of the tones contribute to obtain particularly bright shades, especially when applied on white base coats.

## Economic and ecological benefits from Sarchem

A leading leather chemical producer from Istanbul, Turkey, Sarchem Chemicals offers innovative products and processes obtaining ecological and economic benefits for tanners. The company has developed three new products that are backed-up with technical support for its customers.

**Sarugan W9244** is an aqueous polyurethane dispersion which has a patent top coat for water-based finishing systems. It performs on finishes with high gloss but maintains leather softness and imparts a nice touch. It has excellent flow and levelling properties that forms a smooth surface. It has high flexibility and wet rubfastness values. It can be applied by rollercoater as well as by spraying. It can

also be used in combination with aqueous matt top coats such as Sarugan W9326M and Sarugan W9331M. In order to obtain the highest standards of fastness properties and water resistance, Sarchem recommend crosslinking with a crosslinker based on isocyanate such as Sarlink 8941 and/or crosslinker based on polyaziridine such as Sarlink 860.

**Sarfill FIX 8556** is an anionic aqueous polymer dispersion. It offers a solution to improve rubfastness on nubuck and suede leathers while maintaining their natural beauty and aesthetics. It is also used as an anti-dust agent. Furthermore, Sarfill FIX 8556 can be used for doubleface finishes as well as for very fine basecoats for full grain nappa leathers, such as sheep or goat garment.

It is highly effective to improve wet rubs on all kinds of aniline leather without losing the softness and a drum dyed feel.

**Sarcurol BLS** is a highly effective fatliquoring agent composed of natural phospholipids with synthetic softeners. It gives outstanding softness through the whole leather cross-section. Due to the intensive filling effect, it has a positive influence on the grain firmness. The leather treated with Sarcurol BLS has a pleasant, round and silky handle. It also provides intensified gloss, good dyeability and levelness. The use of high quantities of this product does not have a negative effect on the specific weight of the leathers. Sarcurol BLS can be used alone or in combination with other fatliquors for all kinds of leathers.