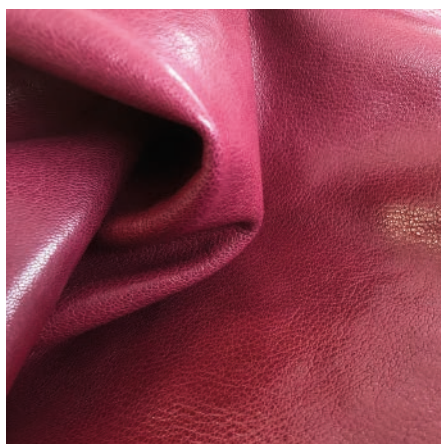




Nemomilling system – application technology for crust or finished leathers

Started in 1957 as a family company, Dermochimica has found its place in the leather industry as a producer of chemical solutions for the entire leather process. Built on the principles of sustainable innovation, quality and service, the Nemomilling system is a new range of products aimed at adding value and satisfying various needs. Able to be used on all types of leather, from crust to finished, the system can be used in numerous applications.

Studied in the Dermochimica laboratories, the application of Nemomilling products directly on the crust is can be recommended since its action revives, softens and improves the quality of the leather, in particular when large quantities have remained in stock for a long time before proceeding with the finishing operations or, alternatively, if the leather needs to face long journeys. When used on empty, dry leathers or those lacking softness from the retannage, it manages to improve the quality of the final products while enhancing their characteristics. It can also allow leathers to attain a better softness, uniformity and fullness through short dry milling times compared to traditional operations; it can also increase the thickness without weighing down the fibres and, more importantly, without highlighting the defects.

Nemomilling also shows its versatility in the finishing. As a feel agent, it gives a natural, silky and full feeling to both sides of the skin. Furthermore, due to its innovative concept, if used as a softening agent, uniform softness and roundness of the leathers are obtained.

It is also possible to use it directly on finished items such as shoes, leathersgoods and clothing to obtain particular effects, maintaining a natural appearance and a pleasant handle.

Application

Crust leather is placed in the milling drum and the operation is started with the humidity increasing to 65% with a temperature of 35°-40°C. The duration of the operation can vary depending on the drum loading. Once humidified, the extraction system is turned off, and whilst the drum is running, the recommended amount of product can be sprayed into the drum. Based on the dry leather weight, 8-15% addition is made. The continuous running avoids the possibility of staining the surface of the leather. Once the spraying of Nemomilling has ended, the drum is left to run for at least 30 minutes in order to assure uniform absorption of the product. The drying process can then be carried out by reducing the humidity and increasing the temperature gradually, it is advisable not to exceed 45°C, to minimise area loss. After the process, if required, the leather

can be toggled or staked the leather and checked for possible adhesion problems before finishing.

On finished leathers, application is almost identical to the crust operation, but the drying operation can be started as soon as complete distribution and absorption has been achieved. Additions of 4-8% based on dry leather weight are recommended. Final toggling or staking can be carried out if required.

The range

The Nemomilling range comprises four products, which are ready to use, with no dilution required and all with the aim of obtaining full and round leathers with uniform milling properties. Where:

- Nemomilling 770 – recommended for metal-free leathers and can also be used as a feel agent.
- Nemomilling 771 – recommended for vegetable tanned and retanned leathers.
- Nemomilling PHOB – PFC free water repellent.
- Nemomilling Soft – for use on crust or finished leathers. 🌱