



chimontgroup

SMART CHEMISTRY
FOR A BETTER FUTURE



LAYERTECH > THE FINISHING EVOLUTION

Layertech _ Series overview

Layertech

The dermo-mimetic and ecological polymeric gel for a finishing that has never been seen before.

Layertech is not the umpteenth product for finishing. It is a real innovation; it is a new way to conceive finishing. It consists of very thin multilayer polymeric gels. Dermo-mimetic and ecological, it is ready to use by a very simple application. It effectively masks the leather imperfections while leaving a very natural surface, evened out and pleasant to the touch. The results on the leather are perfect and you cannot see any of the finishing products.



Layertech is the evolution of finishing.

Layertech is not a revolution, but the natural evolution of the traditional finishing techniques. Today we simply dispose of a know-how that allows us to make things that were unimaginable just a little time ago. ChimontGroup is the first and the only one that has developed a new product technology destined to change the finishing method forever.

A really exclusive product.

Layertech is an innovative finishing unique of its kind. Resulted from years of research and experimentation, Layertech is a proprietary technology that you can't compare to any other solutions available on the market; it has already become a must for the main market leaders.

Choosing Layertech means choosing the future. Now.

The most advanced companies are already using Layertech because it represents the progress of finishing and makes them more flexible, receptive and competitive. A move in the direction of environmental sustainability which opens new creative perspectives. A logical and natural choice that makes the difference.

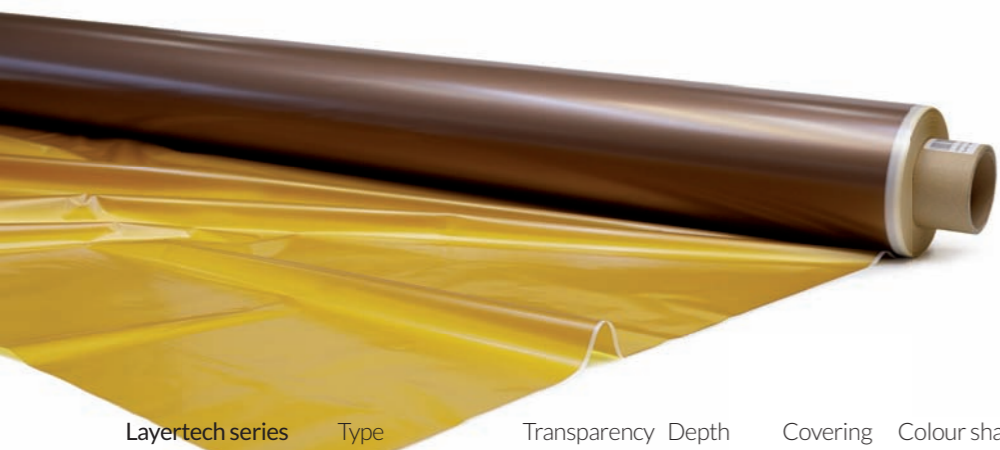
Layertech is efficient, versatile, simple, fast, ecological, and economic.

Using Layertech means having many advantages without any contraindications. Layertech is as much sophisticated in its composition as fast and simple in its application. Flexible to use, it gives excellent results in complete respect for the environment and with lower costs. We're not exaggerating; we just couldn't do more.



We give any leather the finishing it deserves; the best.

Layertech is a ready to use polymeric gel with a strong adherence that is supplied in rolls (150 cm usable width). It is suitable for full grain, sealed and or buffed leather and on splits of any breed. All Layertech range is recommended for footwear, leather goods, clothing, furniture upholstery, automotive and sole leather. It is available in different types (some of them can be slightly finished while others have to be finished necessarily), with different transparency/covering grades and in a wide range of glossy and matt colours to allow the best finishing for your leather type and for the final result you desire. The choice is yours.



Intensity and colour depth combined to lightness and softness.

Layertech is able, with a single simple step, to mask the defects and to give depth and brightness to the colours. But it also carries out two further essential functions: it stabilizes the surface of the leather and evens out its absorption capacity.

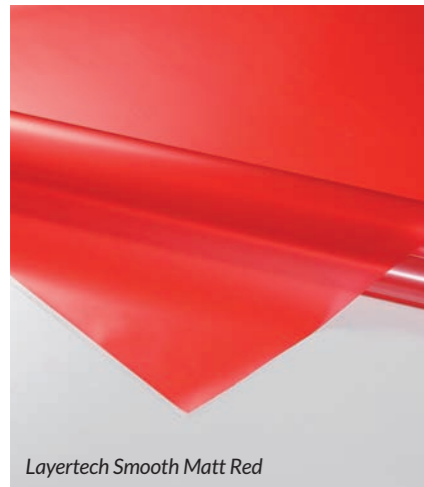
Stabilization
Being a "dry finishing" Layertech doesn't need solvents, water or any other liquid, it keeps the surface of the leather unaltered. This also allows avoiding the natural shrinkage of the leather (about a 3% loss due to the repeated spraying or impregnation and drying typical of the traditional finishing).

Uniformity
Moreover, still thanks to the gel that melts to the derma, Layertech creates an impalpable and uniform surface protection that levels out the absorption capacity of the leather, thus avoiding both penetration differences (due to the natural differences in the leather density) and the accentuation of the defects and the typical hardening of the usual finishing methods.

These features enable to reach excellent colour intensity and camouflage capacity while keeping lightness, softness and hand making Layertech the ideal base for subsequent finishing treatments.

Layertech series	Type	Transparency	Depth	Covering	Colour shade	Colouring	Hand	Colours	Adhesion
Patch series	Finishing allowed	Maximum	Maximum	Low	Bright	Uneven	Soft	10 L + 10 M	Maximum
Smooth series	Finishing allowed	Maximum	Maximum	Minimum	Bright	Uniform	Soft	12 L + 12 M	Maximum
Bow series	Finishing allowed	High	High	Medium	Bright	Uniform	Soft	10 L + 10 M	Maximum
Snow series	Finishing allowed	Low	Low	Maximum	Intense	Uniform	Soft	12 L + 12 M	Maximum
Crack series	Finishing allowed	Minimum	Minimum	Maximum	Intense	Uniform	Fragile	3	Maximum
Finish Slim series	Finishing needed	Medium	Medium	Medium	Intense	Uniform	-	3 L + 3 M	Maximum
Finish Thick series	Finishing needed	Low	Low	High	Intense	Uniform	-	3 L + 3 M	Maximum

Thickness	Weight	Layers	Aniline	Pigment	Animal breed	Leather type	End use
Low (3-4µm)	4-4,5 g/sq.m	4	1	0	Any breed	Full grain, sealed and/or buffed leather and splits	Any use
Low (3-4µm)	4-4,5 g/sq.m	4	1	0	Any breed	Full grain, sealed and/or buffed leather and splits	Any use
Medium (4-6µm)	5-5,5 g/sq.m	6	2	1	Any breed	Full grain, sealed and/or buffed leather and splits	Any use
High (18-20µm)	10-12 g/sq.m	8	0	5 (4+1)	Any breed	Full grain, sealed and/or buffed leather and splits	Any use
Minimum (25-27µm)	29-31 g/sq.m	10	0	6	Any breed	Full grain, sealed and/or buffed leather and splits	Any use
Minimum (2-3µm)	3,5-4 g/sq.m	3	0	1	Any breed	Full grain, sealed and/or buffed leather and splits	Any use
High (22-24µm)	20-22 g/sq.m	9	0	5	Any breed	Full grain, sealed and/or buffed leather and splits	Any use



Layertech Smooth Matt Red

- enabling further finishing processes
- stabilizing the leather surface and evening out its absorption
- decreasing the quantity of chemicals
- avoiding shrinkage and hardening due to the repeated penetration of solutions
- avoiding highlighting the defects caused by repeated ironing
- obtaining hyper-efficient finishing while leaving the leather very light and natural, in less time



Layertech Patch Matt Sea



Layertech Snow Matt Red

Your leather comes out finished, but if you want you can finish it more.

The Patch, Smooth, Bow, Snow and Crack series really speed up the finishing process. The leather will be completely and definitively finished in a few minutes, while further finishing treatments are still possible.

The Layertech products have been developed for all those companies that want to finish full grain, sealed and/or buffed leather and splits (of any breed) in a very effective way. Patch, Smooth, Bow, Snow and Crack differ in terms of their grades of transparency/covering. They are available in a 3 to 12 colour range (matt and gloss) in order to get a finishing that suits the leather and the desired final result.

These series are recommended for footwear, leather goods, clothing, furniture upholstery as well as sole leather and can camouflage and/or cover superficial defects (that is why they can be profitably used on lower selection leather) while leaving the leather a soft hand and resulting pleasant to the touch.

Finishing with Layertech Patch, Smooth, Bow, Snow and Crack means:

- eliminating the usual finishing steps (as they are fully replaced by Layertech)
- giving the leather a pleasant and soft hand
- improving the quality of lower selection leather



Layertech Finish Thick Lux serie

The Finish series: high personality finishing with more quality and in less time.

The Finish series differs from all the other series because it needs finishing. It has been designed for those who want to put their own mark on the production process, without giving up the numerous advantages of Layertech.

Finish has been especially designed as a primer to be used on any kind of crust (of any breed), to enhance the traditional finishing steps that will come next (whether they are spray, roll coater or curtain coater processed). Finish is available in two versions; the Slim series (thin, mainly recommended for full grain leather) and the Thick series (thick, recommended for buffed leather, splits and flesh side). It is available in white, black and transparent (both matt and gloss).

The Finish series is suitable for footwear, leather goods, clothing, furniture upholstery, automotive and sole leather. Once applied, it must have a finishing treatment in order to be given mechanical strength and the desired look (we recommend that less product is used, but that it is more concentrated and it is sprayed lightly, bearing in mind that you are not finishing the leather, but the Layertech).

Pretreating crust with Layertech Finish Slim and Finish Thick means:

- stabilizing the leather surface and evening out its level of absorption
- decreasing the number of steps in the finishing processes
- decreasing the chemicals needed
- avoiding shrinkage and hardening due to the repeated penetration of solutions
- avoiding highlighting the defects caused by repeated ironing
- obtaining a full covering and uniform finishing while leaving the leather very light and natural in less time

No finishing has ever been so fast.

Layertech is certainly the fastest finishing available on the market; it is sufficient to pass the leather through the hot roller machine and it comes out finished. Layertech standard variables such as temperature, pressure and speed, can be adjusted according to the type of leather and to the final result you want to get.

Temperature

The temperature has the function to gel the layers that compose Layertech so that they join each other and melt to the leather. The recommended temperature is the minimum necessary to reach the fusion (between 80° and 160° C).

Pressure

The pressure is needed to uniformly spread the gelled substances (it varies according to the diameter and the type of rolls, thickness and material of the transport belt, etc. It is therefore clear that the features of the hot roller machine can considerably affect the production efficiency). Again, in this case the recommended pressure

is the minimum necessary to obtain a homogeneous and complete transfer (between 40 and 120atm).

Speed

The speed has to be sufficient to allow the gelling and the transfer of the substances (2 to 5 meters/minute). Some companies can use Layertech at a speed of 8/9 meters/minute.

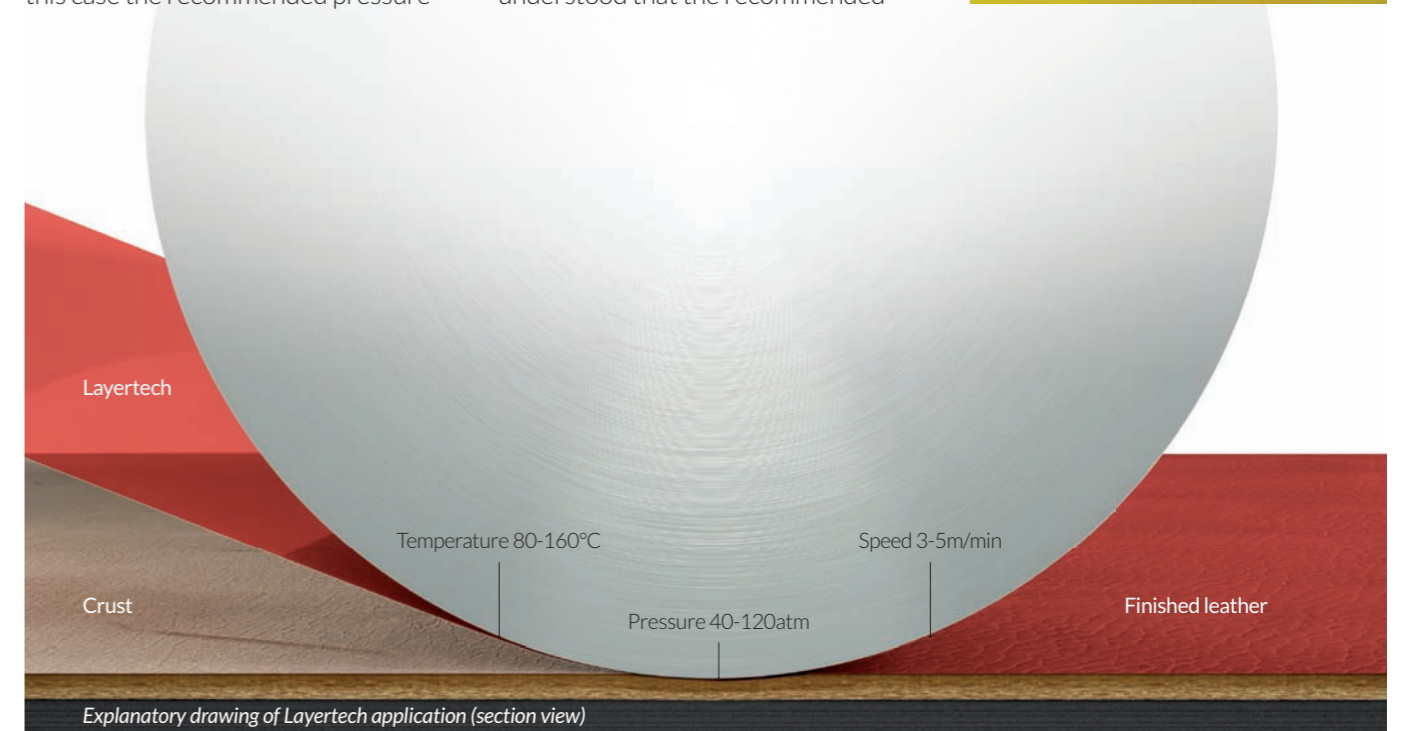
Different variables

Productivity is therefore affected by the size and the quantity of the leather and by the ability of the operators who manage the loading and unloading operations. It is understood that the recommended

application parameters can vary significantly so it is up to the finishing technician to make the best choice.



DasComar/Appicart hot roller calender



Explanatory drawing of Layertech application (section view)



CHIMONT INTERNATIONAL SPA
Via Barsanti, 32 - 56020 Capanne - Montopoli Valdarno (Pisa) Italy
Tel. +39 0571 447011 - Fax +39 0571 467794 - info@chimontgroup.it - www.chimontgroup.it
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