



**chimontgroup**

SMART CHEMISTRY  
FOR A BETTER FUTURE



LAYERTECH > THE FINISHING EVOLUTION

Layertech \_ Series description

# 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 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.



## Versatile by choice, flexible by nature.

Layertech is a universal dermo-mimetic finishing suitable for any kind of crust, full grain, sealed and/or buffed leather and splits and for already finished leather to improve its quality. The finishing technician chooses the Layertech that better suits the leather type to treat and the final result he wants to get.

Once applied the gel melts to the leather. Now leather can be simply milled or go through further finishing for the creation of customized items. Layertech is the only finishing that always complies with your choices.

### 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.

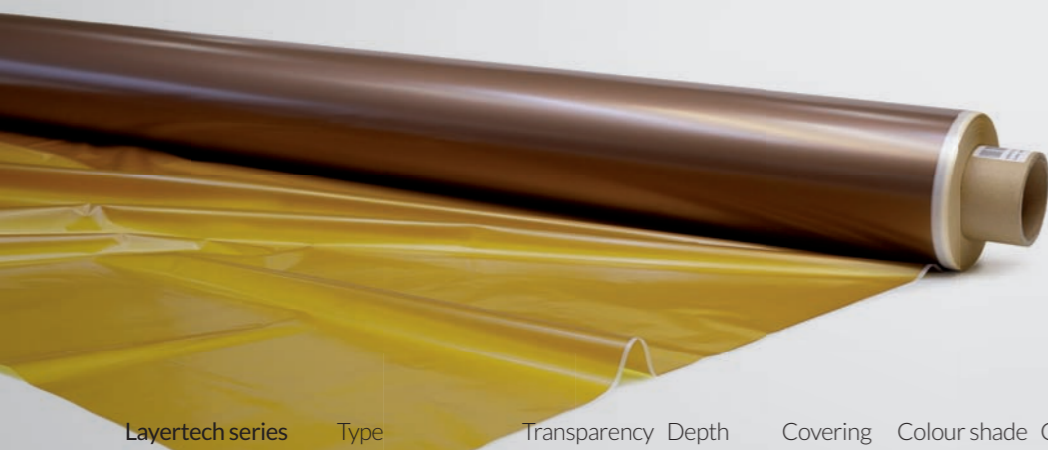
Layertech is an innovative finishing unique of its kind. Resulted from years of research and experimentation, Layertech is a proprietary technology that you can't compare to any other solutions available on the market; it has already become a must for the main market leaders.

### 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.

# 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.

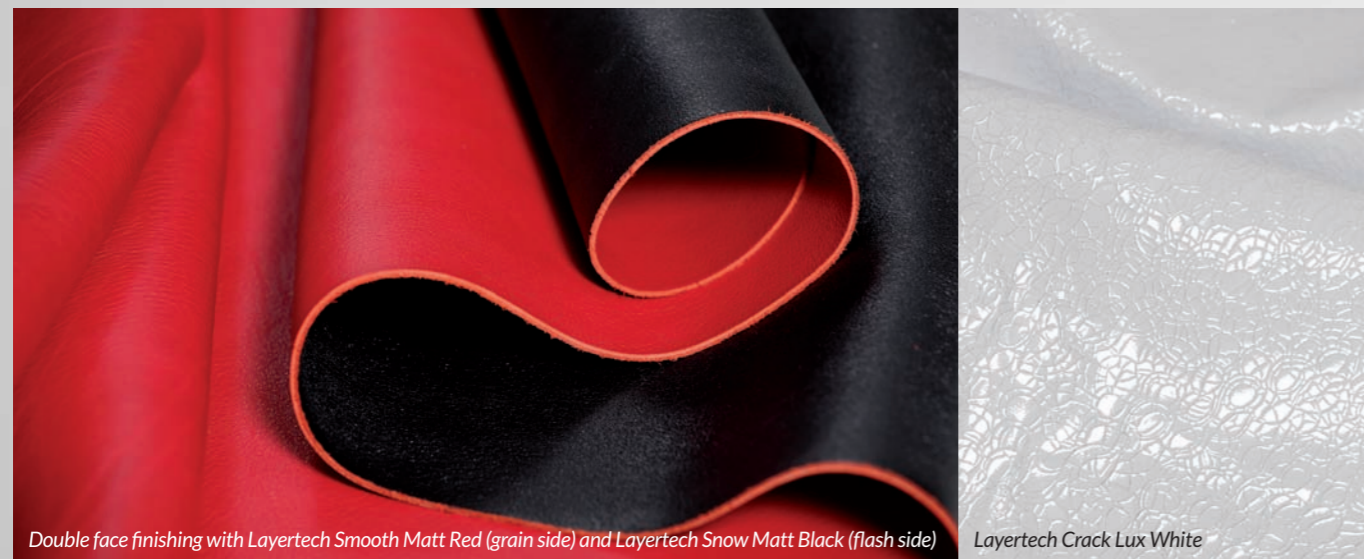


Layertech series	Type	Transparency	Depth	Covering	Colour shade	Colouring	Hand	Colours	Adhesion
Patch series	Finishing allowed	Maximum	Maximum	Low	Bright	Uneven	Soft	10 L + 10 M	Maximum
Smooth series	Finishing allowed	Maximum	Maximum	Minimum	Bright	Uniform	Soft	12 L + 12 M	Maximum
Bow series	Finishing 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

# Simplicity rhymes with creativity. Yours.

The application of Layertech is what the easiest you can imagine. Just a few minutes and a few simple steps to transform a crust into completely finished leather ready to be used by manufacturers. This innovative technology finally enables technicians to focus on their creativity and on how to give extra value to the leather through further finishing. Layertech paves the way to still unexplored aesthetic solutions because “you don’t finish the leather anymore, now you finish the Layertech”.



Double face finishing with Layertech Smooth Matt Red (grain side) and Layertech Snow Matt Black (flash side) Layertech Crack Lux White

## 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 Smooth Orange Lux e Matt



Layertech colour range

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

The Patch, Smooth, Bow, Snow and Crack series extremely shorten the finishing process. The leather will result completely and definitively finished in a few minutes, while still being available for further finishing treatments.

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

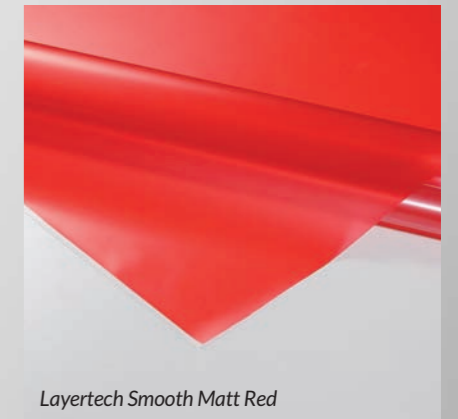
desired final result.

These series are recommended for footwear, leather goods, clothing, furniture upholstery, automotive and sole leather. They camouflage and/or cover superficial defects (that’s why they can be profitably used on lower

selection leather) while leaving the leather very soft and pleasant to the touch.



Layertech Patch Matt Sea



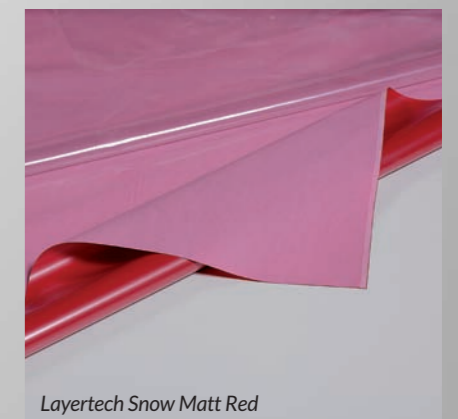
Layertech Smooth Matt Red



Layertech Bow Matt Red



Layertech Crack Matt White



Layertech Snow Matt Red

## Finishing through Layertech Patch, Smooth, Bow, Snow and Crack means:

- eliminating the usual finishing steps (as they are fully replaced by Layertech)
- giving the leather a soft hand and a very pleasant touch
- improving the quality of lower selection leather
- enabling further finishing processes
- stabilizing the leather surface and evening its absorption out
- 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 leather very light and natural in a shorter time

# Layertech\_Patch series

## Overview

The Patch series differs from all the others because of its uneven colouring, which is a typical finishing of hand-padded leather. Dyed with aniline only, it gives the leather surface bright colour shades and a considerable transparency and depth typical of a pure aniline finishing. Despite its transparency, its colouring with its padded effect allows the small defects of the leather to be easily camouflaged and makes it especially suitable for lower selection leather.

### General specifications

- Type Further finishing allowed
- Appearance Uneven colouring, bright colour shades, maximum transparency and depth, low level of covering
- Hand Soft and pleasant to the touch
- Breed of animal Any breed
- Leather type Suitable for full grain, sealed and/or buffed leather and for splits with no need for basecoat pre-treatments
- End use Recommended for footwear, leather goods, clothing, furniture upholstery, automotive and sole leather

### Chemical specifications

- Raw materials All chemical components are in line with REACH standards
- Dyestuffs Aniline

### Physical specifications

- Adhesion Maximum
- Transparency Maximum
- Depth Maximum
- Covering Low
- Colouring Uneven
- Colours Available in 10 colours (matt and gloss)<sup>1</sup>
- Colour shade Bright
- Weight 4-4,5 g/sq m

### Technical specifications

- Total thickness Low (3-4 µm)
- No. of total layers 4
- No. of aniline layers 1
- No. of pigment layers 0

### Application specifications

- Use Ready to use for dry thermofusion, no need for anchorage polyurethanes<sup>2</sup>. The complete fixing of the polymeric gel takes about 24 hours, just by simply letting it air dry. After the application, remove the polyester liner from the leather only when cooled. No emissions into the atmosphere during use nor water waste.
- Bobbin Width 152 cm (150 cm usable), length 500 m, diameter max. 35 cm approx., inner core diam. 7,5 cm, weight 61 Kg approx.<sup>3</sup>
- Machine Hot roller calender
- Temperature 120-130 °C<sup>4</sup>
- Pressure 40-60 Atm<sup>4</sup>
- Working speed 3-5 m/min<sup>4</sup>

1) More colours are available on demand

2) Layertech adheres extremely well to leather (if the surface is free from dust, fat liquors, etc.). We recommend, however, that the leather is pre-treated with adhesive polymers (W-THANE 422 diluted with water 1:1/1:3, slightly more concentrated on waterproof, silicon greased, waxed and buffed leather if not properly dusted).

3) 182 cm width available soon. Different width available on demand.

4) Depending on which kind of hot roller calender machine is used, the type of leather and the final result you wish to obtain.

# Layertech\_Smooth series

## Overview

The Smooth series has a uniform colouring. It is free from pigments and its aniline dyes give bright colour shades and a considerable transparency and depth, typical of a pure aniline finishing. Thanks to its high transparency, the Smooth series is particularly suitable for leather that shows small surface defects or for buffed leather when a very natural look is required.

### General specifications

- Type Further finishing allowed
- Appearance Uniform colouring, bright colour shades, maximum transparency and depth, low level of covering
- Hand Soft and pleasant to the touch
- Breed of animal Any breed
- Leather type Suitable for full grain, sealed and/or buffed leather and for splits with no need for basecoat pre-treatments
- End use Recommended for footwear, leather goods, clothing, furniture upholstery, automotive and sole leather

### Chemical specifications

- Raw materials All chemical components are in line with REACH standards
- Dyestuffs Aniline

### Physical specifications

- Adhesion Maximum
- Transparency Maximum
- Depth Maximum
- Covering Minimum
- Colouring Uniform
- Colours Available in 9 colours in addition to black, white and transparent (matt and gloss)<sup>1</sup>
- Colour shade Bright
- Weight 4-4,5 g/sq m

### Technical specifications

- Total thickness Low (3-4 µm)
- No. of total layers 4
- No. of aniline layers 1
- No. of pigment layers 0

### Application specifications

- Use Ready to use for dry thermofusion, no need for anchorage polyurethanes<sup>2</sup>. The complete fixing of the polymeric gel takes about 24 hours, just by simply letting it air dry. After the application, remove the polyester liner from the leather only when cooled. No emissions into the atmosphere during use nor water waste.
- Bobbin Width 152 cm (150 cm usable), length 500 m, diameter max. 35 cm approx., inner core diam. 7,5 cm, weight 61 Kg approx.<sup>3</sup>
- Machine Hot roller calender
- Temperature 120-130 °C<sup>4</sup>
- Pressure 40-60 Atm<sup>4</sup>
- Working speed 3-5 m/min<sup>4</sup>

1) More colours are available on demand

2) Layertech adheres extremely well to leather (if the surface is free from dust, fat liquors, etc.). We recommend, however, that the leather is pre-treated with adhesive polymers (W-THANE 422 diluted with water 1:1/1:3, slightly more concentrated on waterproof, silicon greased, waxed and buffed leather if not properly dusted).

3) 182 cm width available soon. Different width available on demand.

4) Depending on which kind of hot roller calender machine is used, the type of leather and the final result you wish to obtain.

# Layertech\_Bow series

## Overview

The Bow series has a uniform colouring obtained both through aniline dyes and pigments. It gives bright colour shades and a good transparency and depth to the leather surface. The presence of pigments also allows a light covering effect that effectively camouflages small surface defects of the leather. It can be used in particular on full grain, sealed and/or buffed leather to get a corrected grain.

### General specifications

<ul style="list-style-type: none"><li>Type</li><li>Appearance</li><li>Hand</li><li>Breed of animal</li><li>Leather type</li></ul>	Further finishing allowed Uniform colouring, bright colour shades, high transparency and depth, medium level of covering Soft and pleasant to the touch Any breed Suitable for full grain, sealed and/or buffed leather and for splits with no need for basecoat pre-treatments
<ul style="list-style-type: none"><li>End use</li></ul>	Recommended for footwear, leather goods, clothing, furniture upholstery, automotive and sole leather

### Chemical specifications

<ul style="list-style-type: none"><li>Raw materials</li><li>Dyestuffs</li></ul>	All chemical components are in line with REACH standards Aniline and pigments
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### Physical specifications

<ul style="list-style-type: none"><li>Adhesion</li><li>Transparency</li><li>Depth</li><li>Covering</li><li>Colouring</li><li>Colours</li><li>Colour shade</li><li>Weight</li></ul>	Maximum High High Medium Uniform Available in 9 colours in addition to black (matt and gloss) <sup>1</sup> Bright 5-5,5 g/sq m
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### Technical specifications

<ul style="list-style-type: none"><li>Total thickness</li><li>No. of total layers</li><li>No. of aniline layers</li><li>No. of pigment layers</li></ul>	Medium (4-6 µm) 6 2 1
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### Application specifications

<ul style="list-style-type: none"><li>Use</li></ul>	Ready to use for dry thermofusion, no need for anchorage polyurethanes <sup>2</sup> . The complete fixing of the polymeric gel takes about 24 hours, just by simply letting it air dry. After the application, remove the polyester liner from the leather only when cooled. No emissions into the atmosphere during use nor water waste.
<ul style="list-style-type: none"><li>Bobbin</li></ul>	Width 152 cm (150 cm usable), length 500 m, diameter max. 35 cm approx., inner core diam. 7,5 cm, weight 62 Kg approx. <sup>3</sup>
<ul style="list-style-type: none"><li>Machine</li><li>Temperature</li><li>Pressure</li><li>Working speed</li></ul>	Hot roller calender 120-130 °C <sup>4</sup> 70-100 Atm <sup>4</sup> 3-5 m/min <sup>4</sup>

1) More colours are available on demand

2) Layertech adheres extremely well to leather (if the surface is free from dust, fat liquors, etc.). We recommend, however, that the leather is pre-treated with adhesive polymers (W-THANE 422 diluted with water 1:1/1:3, slightly more concentrated on waterproof, silicon greased, waxed and buffed leather if not properly dusted).

3) 182 cm width available soon. Different width available on demand.

4) Depending on which kind of hot roller calender machine is used, the type of leather and the final result you wish to obtain.

The descriptions included in this document are based on our current knowledge, deducted from our lab testing and on site trials. They are indicative and for illustrative purposes only. Due to the many different factors that may affect the final result, customers are supposed to carry out their own tests and controls. Chimont International Spa declines any responsibility deriving from improper use of its products and reserves the right to modify the information included hereby without notice and also to change and modify its products, services and the activities hereby described without third parties having any kind of rights.

# Layertech\_Snow series

## Overview

The Snow series has a uniform colouring and differs from the other series for its base layer is white on which further layers of coloured pigments are added. This arrangement of the pigments, along with the composition of the pigments themselves (colour fastness to migration into PVC), mean that a very high covering level can be reached, that is able to hide even the worst leather defects (therefore the crust colour has no influence on the finishing), while giving particularly intense colour shades. It can be used on the flesh side as well, to obtain perfect leather finishing on both sides. This series is ideal for the finishing of splits or buffed leathers when a total covering of the surface defects is necessary.

### General specifications

<ul style="list-style-type: none"><li>Type</li><li>Appearance</li><li>Hand</li><li>Breed of animal</li><li>Leather type</li></ul>	Further finishing allowed Uniform colouring, intense colour shades, low transparency and depth, maximum level of covering Soft and pleasant to the touch Any breed Suitable for full grain, sealed and/or buffed leather and for splits with no need for basecoat pre-treatments
<ul style="list-style-type: none"><li>End use</li></ul>	Recommended for footwear, leather goods, clothing, furniture upholstery, automotive and sole leather

### Chemical specifications

<ul style="list-style-type: none"><li>Raw materials</li><li>Dyestuffs</li></ul>	All chemical components are in line with REACH standards Pigments
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### Physical specifications

<ul style="list-style-type: none"><li>Adhesion</li><li>Transparency</li><li>Depth</li><li>Covering</li><li>Colouring</li><li>Colours</li><li>Colour shade</li><li>Weight</li></ul>	Maximum Low Low Maximum Uniform Available in 10 colours in addition to black and white <sup>1</sup> Intense 10-12 g/sq m (18-20g/sq m white colour)
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### Technical specifications

<ul style="list-style-type: none"><li>Total thickness</li><li>No. of total layers</li><li>No. of aniline layers</li><li>No. of pigment layers</li></ul>	High (18-20 µm) 8 0 5 (4+1)
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### Application specifications

<ul style="list-style-type: none"><li>Use</li></ul>	Ready to use for dry thermofusion, no need for anchorage polyurethanes <sup>2</sup> . The complete fixing of the polymeric gel takes about 24 hours, just by simply letting it air dry. After the application, remove the polyester liner from the leather only when cooled. No emissions into the atmosphere during use nor water waste.
<ul style="list-style-type: none"><li>Bobbin</li></ul>	Width 152 cm (150 cm usable), length 500 m, diameter max. 35 cm approx., inner core diam. 7,5 cm, weight 66/72 Kg approx. <sup>3</sup>
<ul style="list-style-type: none"><li>Machine</li><li>Temperature</li><li>Pressure</li><li>Working speed</li></ul>	Hot roller calender 130-140 °C <sup>4</sup> 90-100 Atm <sup>4</sup> 3-5 m/min <sup>4</sup>

1) More colours are available on demand

2) Layertech adheres extremely well to leather (if the surface is free from dust, fat liquors, etc.). We recommend, however, that the leather is pre-treated with adhesive polymers (W-THANE 422 diluted with water 1:1/1:3, slightly more concentrated on waterproof, silicon greased, waxed and buffed leather if not properly dusted).

3) 182 cm width available soon. Different width available on demand.

4) Depending on which kind of hot roller calender machine is used, the type of leather and the final result you wish to obtain.

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# Layertech \_ Crack series

## Overview

The Crack series has a uniform colouring. Its very low elasticity polymeric gels have been designed expressly to get a fragile finishing, that during the succeeding processing steps can be “broken” with different levels of intensity through staking. The special structure of this series allows a considerable quantity of special pigments to be used and ensures both colour fastness to migration into PVC and a total, uniform covering of the leather with very intense colour shades. This series is particularly recommended for the finishing of buffed leather and splits, when in addition to a total covering of the surface defects, a vintage effect is also desired.

## General specifications

- Type Further finishing allowed
- Appearance Uniform colouring, intense colour shades, minimum transparency and depth, maximum level of covering
- Hand Fragile and vitreous
- Breed of animal Any breed
- Leather type Suitable for full grain, sealed and/or buffed leather and for splits with no need for basecoat pre-treatments
- End use Recommended for footwear, leather goods, clothing, furniture upholstery, automotive and sole leather

## Chemical specifications

- Raw materials All chemical components are in line with REACH standards
- Dyestuffs Pigments

## Physical specifications

- Adhesion Maximum
- Transparency Minimum
- Depth Minimum
- Covering Maximum
- Colouring Uniform
- Colours Available in black, white and transparent<sup>1</sup>
- Colour shade Intense
- Weight 29-31 g/sq m

## Technical specifications

- Total thickness Maximum (25-27 µm)
- No. of total layers 10
- No. of aniline layers 0
- No. of pigment layers 6

## Application specifications

- Use Ready to use for dry thermofusion, no need for anchorage polyurethanes<sup>2</sup>. The complete fixing of the polymeric gel takes about 24 hours, just by simply letting it air dry. After the application, remove the polyester liner from the leather only when cooled. No emissions into the atmosphere during use nor water waste.
- Bobbin Width 152 cm (150 cm usable), length 500 m, diameter max. 35 cm approx., inner core diam. 7,5 cm, weight 80Kg approx.<sup>3</sup>
- Machine Hot roller calender
- Temperature 140-160 °C<sup>4</sup>
- Pressure 100-120 Atm<sup>4</sup>
- Working speed 2-3 m/min<sup>4</sup>

1) More colours are available on demand

2) Layertech adheres extremely well to leather (if the surface is free from dust, fat liquors, etc.). We recommend, however, that the leather is pre-treated with adhesive polymers (V-THANE 422 diluted with water 1:1/1:3, slightly more concentrated on waterproof, silicon greased, waxed and buffed leather if not properly dusted).

3) 182 cm width available soon. Different width available on demand.

4) Depending on which kind of hot roller calender machine is used, the type of leather and the final result you wish to obtain.



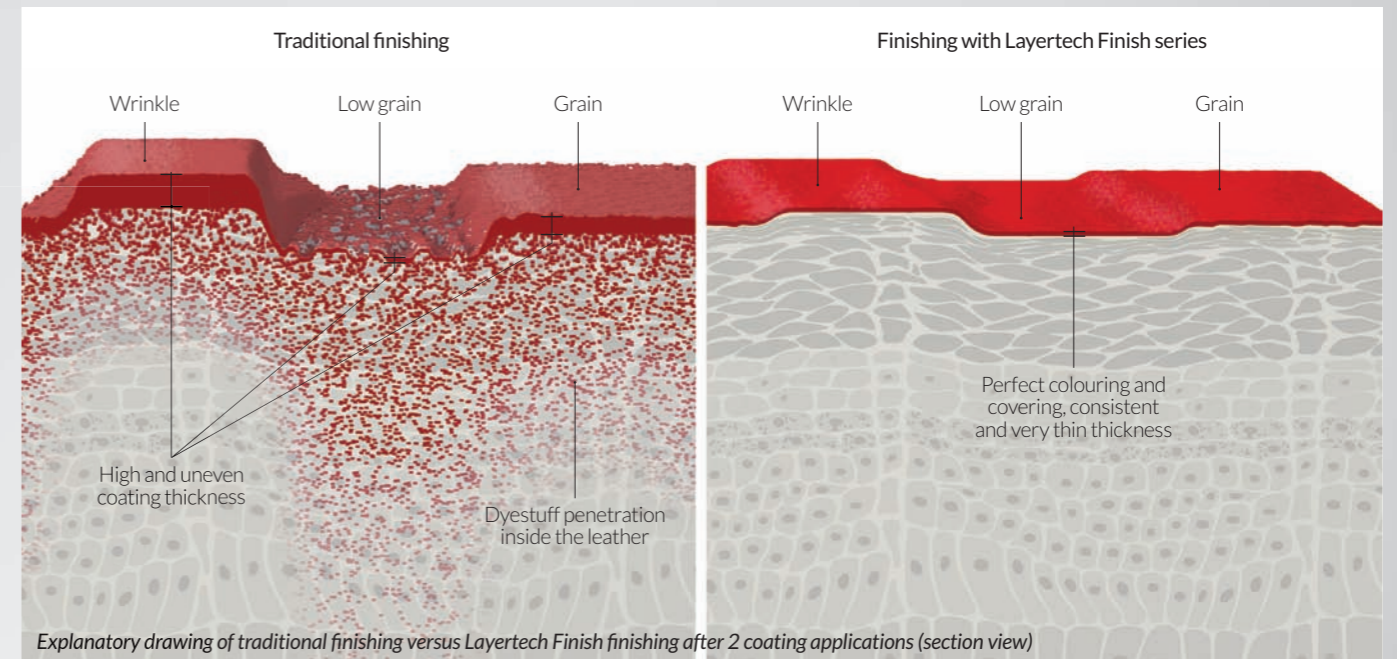
Endless finishing.



# Creativity begins with you.

Using an innovative technology does not necessarily mean abandoning the traditional techniques, but using them in a more efficient way.

Thanks to Layertech, the finishing technicians now have a very powerful tool to enhance their own technical and stylistic skills. Layertech has enormous potential: it's up to the talented technicians to be the first to discover it.



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

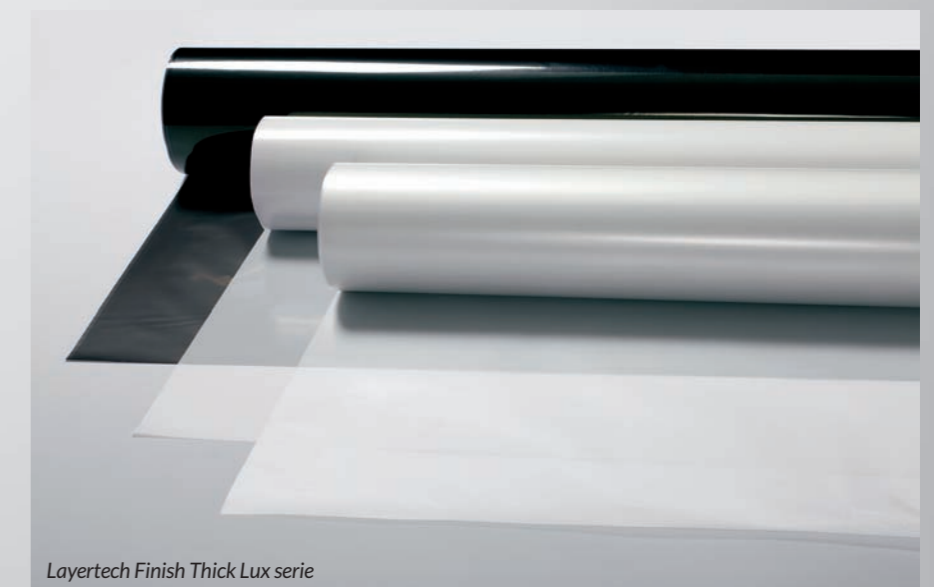
The Finish series differs from all other series because it needs finishing. It has been conceived for those who want to give, or to keep, their own mark without giving up the numerous advantages of Layertech.

Finish has been especially conceived 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 black, white and transparent (both matt and glossy).

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 to use less product quantity, but more concentrated and to spray lightly keeping in mind that you are not finishing leather but Layertech).



## Pretreating crust with Layertech Finish Slim and Finish Thick means:

- stabilizing the leather surface and evening its absorption capability out
- decreasing the number of the 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 leather very light and natural in less time

# Layertech \_ Finish Slim series

## Overview

The Finish series consists of a primer to be used on crust to enhance the traditional finishing steps that will come next (whether they are spray, roll coater or curtain coater processed). Pretreating crust with Finish means stabilizing the leather surface and evening out its level of absorption, in order to optimize the performance of the products that are used during the following stages (with a consequent decrease of both finishing steps and chemicals). Finish Slim with its very thin thickness is particularly recommended for full grain leather and allows total covering and even finishing, while leaving the leather very light and natural, without highlighting the surface defects.

## General specifications

- Type Finishing needed
- Appearance Uniform colouring, intense colour shades, medium transparency and depth, minimum level of covering
- Hand To be given through traditional finishing
- Breed of animal Any breed
- Leather type Suitable for full grain, sealed and/or buffed leather and for splits with no need for basecoat pre-treatments
- End use Recommended for footwear, leather goods, clothing, furniture upholstery, automotive and sole leather

## Chemical specifications

- Raw materials All chemical components are in line with REACH standards
- Dyestuffs Pigments

## Physical specifications

- Adhesion Maximum
- Transparency Medium
- Depth Medium
- Covering Medium
- Colouring Uniform
- Colours Available in black, white and transparent (matt and gloss)<sup>1</sup>
- Colour shade Intense
- Weight 3,5-4 g/sq m

## Technical specifications

- Total thickness Minimum (2-3 µm)
- No. of total layers 3
- No. of aniline layers 0
- No. of pigment layers 1

## Application specifications

- Use Ready to use for dry thermofusion, no need for anchorage polyurethanes<sup>2</sup> The complete fixing of the polymeric gel takes about 24 hours, just by simply letting it air dry. After the application, remove the polyester liner from the leather only when cooled. No emissions into the atmosphere during use nor water waste. Mechanical strength and look have to be achieved during the next finishing stages, where a lower quantity of product is used, but it is more concentrated and it is sprayed lightly.
- Bobbin Width 152 cm (150 cm usable), length 500 m, diameter max. 35 cm approx., inner core diam. 7,5 cm, weight 60Kg approx.<sup>3</sup>
- Machine Hot roller calender
- Temperature 110-120 °C<sup>4</sup>
- Pressure 70-100 Atm<sup>4</sup>
- Working speed 3-5 m/min<sup>4</sup>

1) More colours are available on demand

2) Layertech adheres extremely well to leather (if the surface is free from dust, fat liquors, etc.). We recommend, however, that the leather is pre-treated with adhesive polymers (W-THANE 422 diluted with water 1:1/1:3, slightly more concentrated on waterproof, silicon greased, waxed and buffed leather if not properly dusted).

3) 182 cm width available soon. Different width available on demand.

4) Depending on which kind of hot roller calender machine is used, the type of leather and the final result you wish to obtain.

# Layertech \_ Finish Thick series

## Overview

The Finish series consists of a primer to be used on crust to enhance the traditional finishing steps that will come next (whether they are spray, roll coater or curtain coater processed). Pretreating crust with Finish means stabilizing the leather surface and evening out its level of absorption, in order to optimize the performance of the products that are used during the following stages (with a consequent decrease of both finishing steps and chemicals). Finish Thick with its high thickness and extra pigment layers is particularly recommended for buffed leather and splits. It allows a total covering and an even finishing while leaving the leather very light and natural, without highlighting the surface defects.

## General specifications

- Type Finishing needed
- Appearance Uniform colouring, intense colour shades, low transparency and depth, high level of covering
- Hand To be given through traditional finishing
- Breed of animal Any breed
- Leather type Suitable for full grain, sealed and or buffed leather and for splits with no need for basecoat pre-treatments
- End use Recommended for footwear, leather goods, clothing, furniture upholstery, automotive and sole leather

## Chemical specifications

- Raw materials All chemical components are in line with REACH standards
- Dyestuffs Pigments

## Physical specifications

- Adhesion Maximum
- Transparency Low
- Depth Low
- Covering High
- Colouring Uniform
- Colours Available in black, white and transparent (matt and gloss)<sup>1</sup>
- Colour shade Intense
- Weight 20-22 g/sq m (28-30 g/sq m colour white)

## Technical specifications

- Total thickness High (22-24 µm)
- No. of total layers 9
- No. of aniline layers 0
- No. of pigment layers 5

## Application specifications

- Use Ready to use for dry thermofusion, no need for anchorage polyurethanes<sup>2</sup>. The complete fixing of the polymeric gel takes about 24 hours, just by simply letting it air dry. After the application, remove the polyester liner from the leather only when cooled. No emissions into the atmosphere during use nor water waste. Mechanical strength and look have to be achieved during the next finishing stages, where a lower quantity of product is used, but it is more concentrated and it is sprayed lightly.
- Bobbin Width 152 cm (150 cm usable), length 500 m, diameter max. 35 cm approx., inner core diam. 7,5 cm, weight 74/80 Kg approx.<sup>3</sup>
- Machine Hot roller calender
- Temperature 130-140 °C<sup>4</sup>
- Pressure 90-110 Atm<sup>4</sup>
- Working speed 2-3 m/min<sup>4</sup>

1) More colours are available on demand

2) Layertech adheres extremely well to leather (if the surface is free from dust, fat liquors, etc.). We recommend, however, that the leather is pre-treated with adhesive polymers (W-THANE 422 diluted with water 1:1/1:3, slightly more concentrated on waterproof, silicon greased, waxed and buffed leather if not properly dusted).

3) 182 cm width available soon. Different width available on demand.

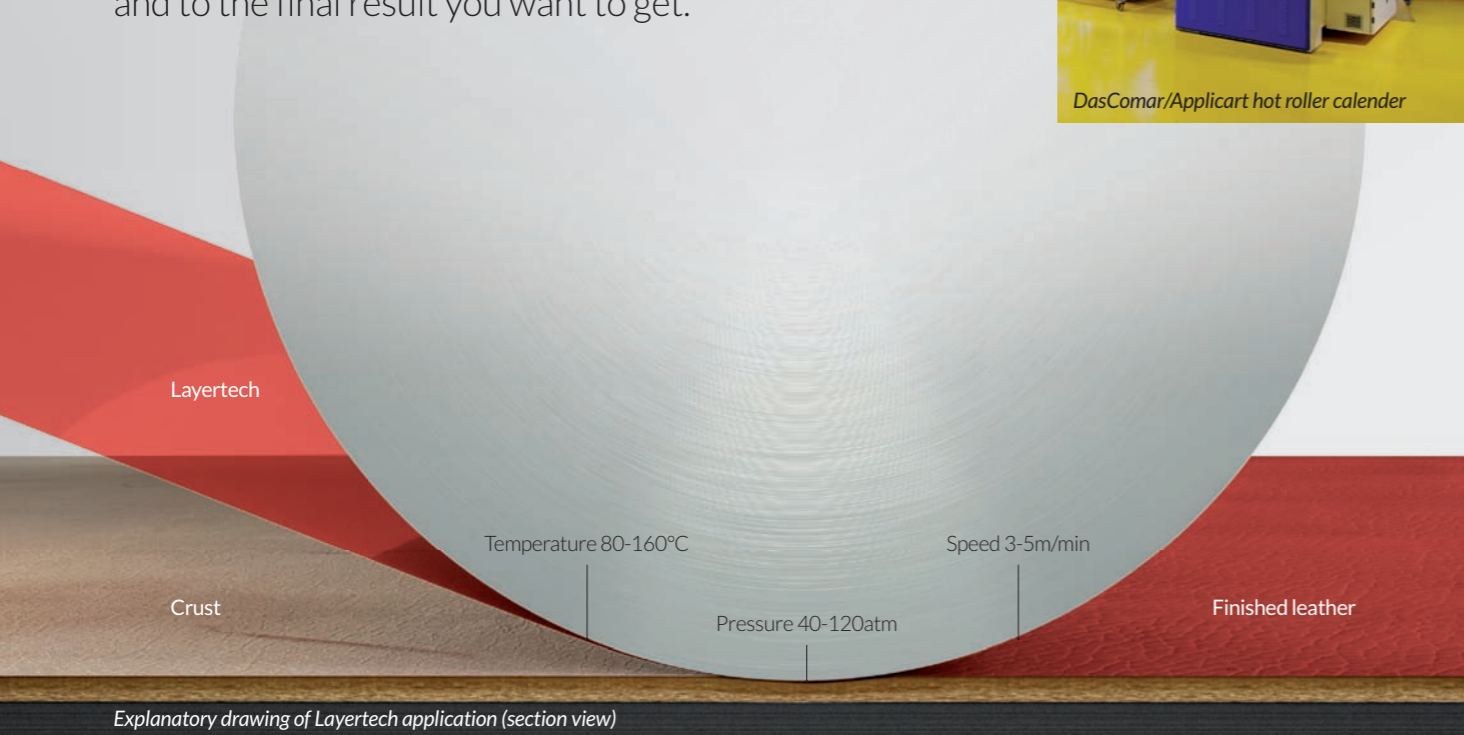
4) Depending on which kind of hot roller calender machine is used, the type of leather and the final result you wish to obtain.

# 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.



DasComar/Applicart hot roller calendar



Explanatory drawing of Layertech application (section view)

## 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.

## Colour range

Grey		Yellow		Black	White
Curry		Orange		Transparent	Yellow
Cognac		Red		Curry	Orange
Chestnut		Wine		Cognac	Red
Coffee		Sea		Chestnut	Wine
				Coffee	Sea



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