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Layertech _ Patch, Smooth, Bow, Snow, Crack series

Overview

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
- 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

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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 ChimontGroup is a company certified according UNI EN ISO 9001:2008 and UNI EN ISO 14001:2004



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-treatmen

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)¹

Colour shadeWeightBright4-4,5 g/sq m

Technical specifications

• Total thickness Low (3-4 µm)

No. of total layersNo. of aniline layersNo. of pigment layers

Application specifications

• Use Ready to use for dry thermofusion, no need for anchorage polyurethanes². 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.³

Machine Hot roller calender
 Temperature 120-130 °C⁴
 Pressure 40-60 Atm⁴
 Working speed 3-5 m/min⁴

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_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)¹

Colour shadeWeightBright4-4,5 g/sq m

Technical specifications

• Total thickness Low (3-4 µm)

No. of total layersNo. of aniline layersNo. of pigment layers

Application specifications

• Use Ready to use for dry thermofusion, no need for anchorage polyurethanes². 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.³

Machine Hot roller calender
 Temperature 120-130 °C⁴
 Pressure 40-60 Atm⁴
 Working speed 3-5 m/min⁴

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 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

• Type Further finishing allowed

• Appearance Uniform colouring, bright colour shades, high transparency and depth, medium 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 and pigments

Physical specifications

Adhesion Maximum
Transparency High
Depth High
Covering Medium
Colouring Uniform

• Colours Available in 9 colours in addition to black (matt and gloss)¹

Colour shadeWeightBright5-5,5 g/sq m

Technical specifications

• Total thickness Medium (4-6 μm)

No. of total layersNo. of aniline layersNo. of pigment layers1

Application specifications

• Use Ready to use for dry thermofusion, no need for anchorage polyurethanes². 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 62 Kg approx.³

Machine
 Temperature
 Pressure
 Working speed
 Hot roller calender
 120-130 °C⁴
 70-100 Atm⁴
 3-5 m/min⁴

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_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

• Type Further finishing allowed

• Appearance Uniform colouring, intense colour shades, low transparency and depth, maximum 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 Pigments

Physical specifications

Adhesion Maximum
Transparency Low
Depth Low
Covering Maximum
Colouring Uniform

• Colours Available in 10 colours in addition to black and white¹

• Colour shade Intense

• Weight 10-12 g/sq m (18-20g/sq m white colour)

Technical specifications

• Total thickness High (18-20 µm)

No. of total layers
No. of aniline layers
No. of pigment layers
5 (4+1)

Application specifications

Working speed

• Use Ready to use for dry thermofusion, no need for anchorage polyurethanes². 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.

3-5 m/min⁴

• Bobbin 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.³
 Machine Hot roller calender
 Temperature 130-140 °C⁴
 Pressure 90-100 Atm⁴

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

Any breed

• Hand Fragile and vitreous

Breed of animal

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 transparent¹

Colour shadeWeightIntense29-31 g/sq m

Technical specifications

• Total thickness Maximum (25-27 µm)

No. of total layers
No. of aniline layers
No. of pigment layers
6

Application specifications

• Use

Ready to use for dry thermofusion, no need for anchorage polyurethanes². 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.³ Hot roller calender

Machine Hot roller caler
 Temperature 140-160 °C⁴
 Pressure 100-120 Atm⁴
 Working speed 2-3 m/min⁴

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 _ Finish Slim, Finish Thick series

Overview

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

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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)¹

Colour shade IntenseWeight 3,5-4 g/sq m

Technical specifications

• Total thickness Minimum (2-3 µm)

No. of total layers
No. of aniline layers
No. of pigment layers
1

Application specifications

• Use Ready to use for dry thermofusion, no need for anchorage polyurethanes² 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.3

Machine Hot roller calender
 Temperature 110-120 °C⁴
 Pressure 70-100 Atm⁴
 Working speed 3-5 m/min⁴

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 _ 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)¹

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 layersNo. of aniline layersNo. of pigment layers

Application specifications

• Bobbin

Use Ready to use for dry thermofusion, no need for anchorage polyurethanes². 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.

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.3

Machine Hot roller calender
 Temperature 130-140 °C⁴
 Pressure 90-110 Atm⁴
 Working speed 2-3 m/min⁴

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).

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¹⁾ More colours are available on demand

^{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.

