



# MILLENNIUM

redefining leather finishes .....

## MILLENNIUM FOILS & FASHION



# About Millennium

Millennium have been manufacturing quality, reliable finishing and fashion foils since 2001. We currently have three lines and are proud to be an innovative leading manufacturer in India. We sell in India and export to all major leather producing countries.

Our mission is to produce affordable high quality foils through innovative and cost efficient process, for the discerning customer.

We have commissioned our new line, to meet international specifications in relation to width of foil and fashion trends.

Our new products are based on design and concepts provided by our team of international leather and fashion consultants.

All products shown on these pages can be realized using our products. And if there is some idea you have for developing new foils we would be delighted to do this, at no cost to you. Be it designs, colours, shades or new "finishes".



**Metallic Range**

Gives true metal like shine and are available in various colours, as shown in catalogue.

**Metallic/Non Metallic Crackles**

Crackle foils with small, bold and big bold effects. Available in Gloss and Matt version.

**Patent**

Thick PU foils with patent effect in Solid as well as Flourescent colours. Available in Gloss and Matt version.

**Crystal (Self Print)**

Newly developed line, High Shine transparent PU crystal heat transferred on Nubuck/Suede leathers. Available in Transparent, Black and White colours.

**Trendy**

Available in different colours, imitates leather finishes in feel and touch.

**Opa**

Foils with high covering effects. Available in different colours.

**SFG**

Special Garment Foil imparts touch and feel to garment leathers. High water and air permeability.

**Emit**

A napalene effect finish in transparent and translucent colours.

**Pull-up**

Pull-up finishes in exciting colour combinations.

**Velours**

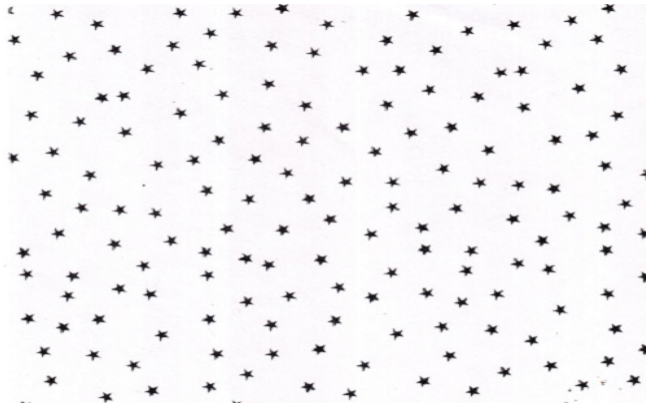
Vast range of designs based on ever changing fashion requirements. Available in reptile, animal, floral, textile and antique patterns. Single and Multi colour options available.



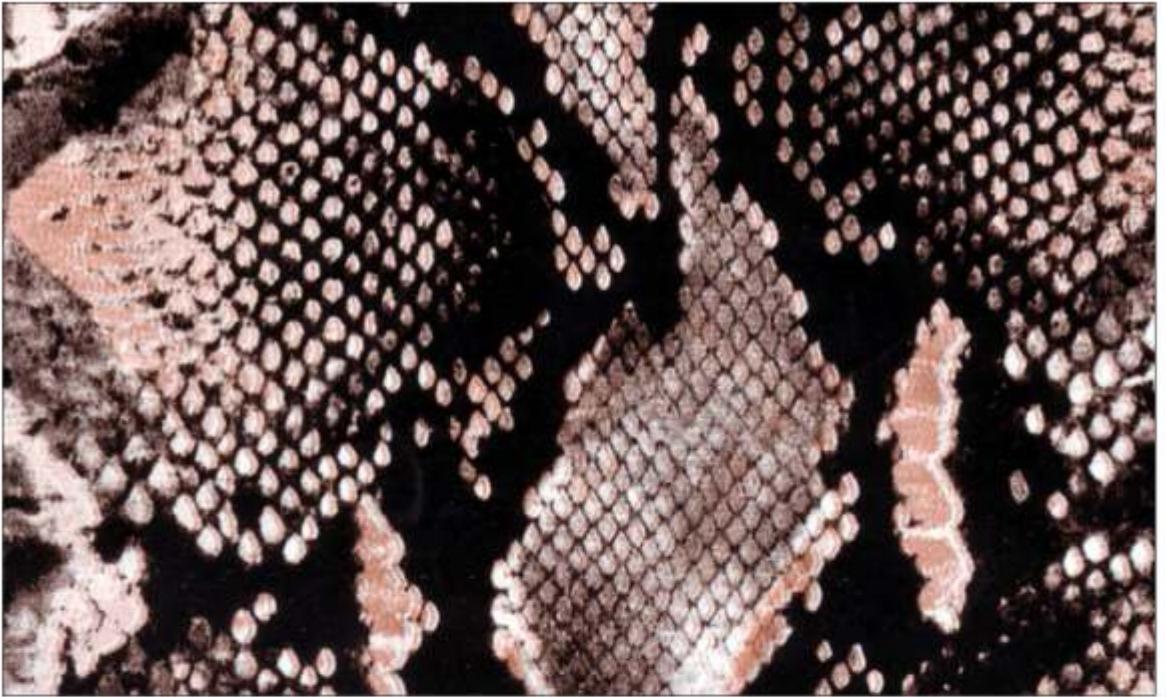
**ANACONDA-14-TC**



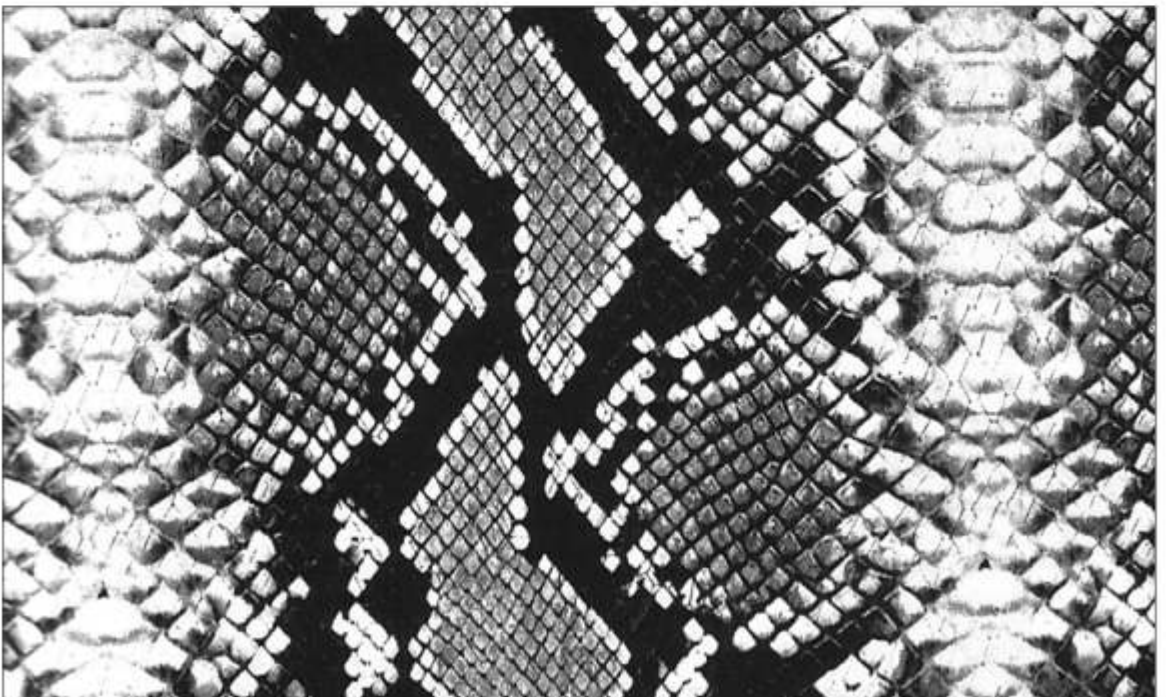
**DAHLIA FLOWER-MC**



**STAR-S**



GODZILLA-8DC



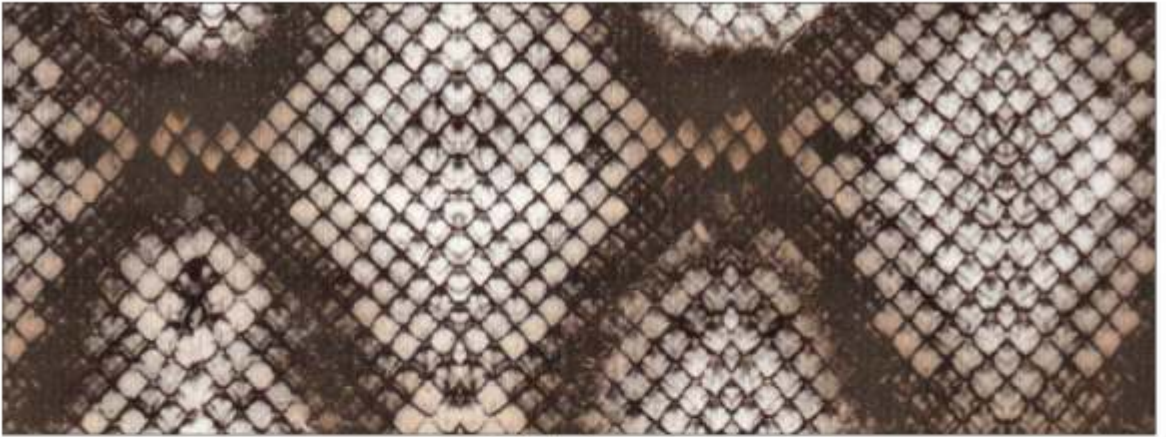
GODZILLA-7



GODZILLA-4



GODZILLA-9



Godzilla-6



GODZILLA-2



GODZILLA\_DC



Godzilla-5 MC

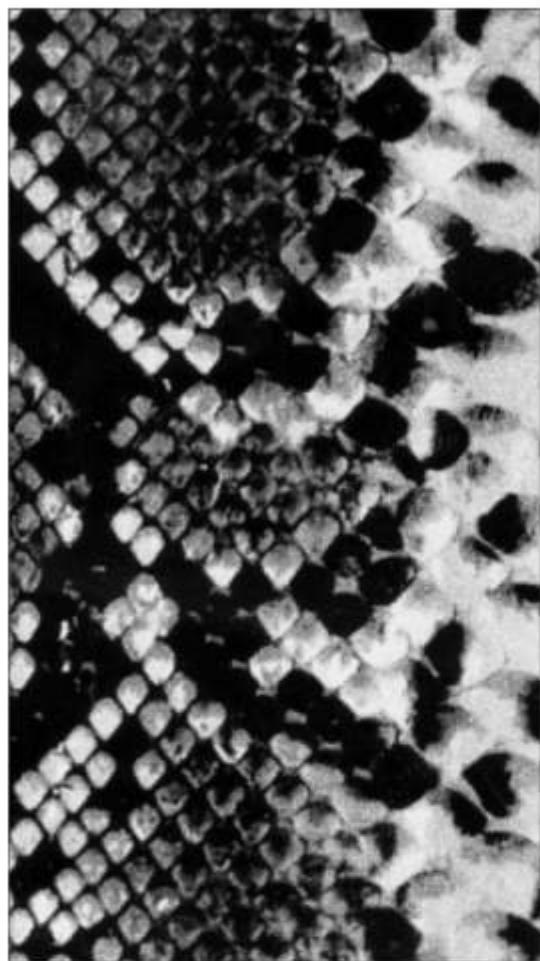


ANACONDA-11

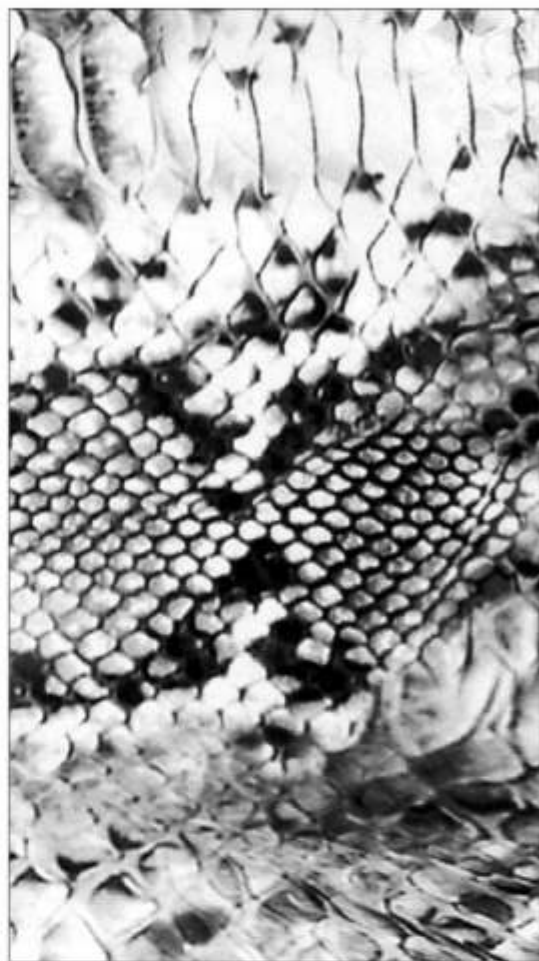


ANACONDA-Z





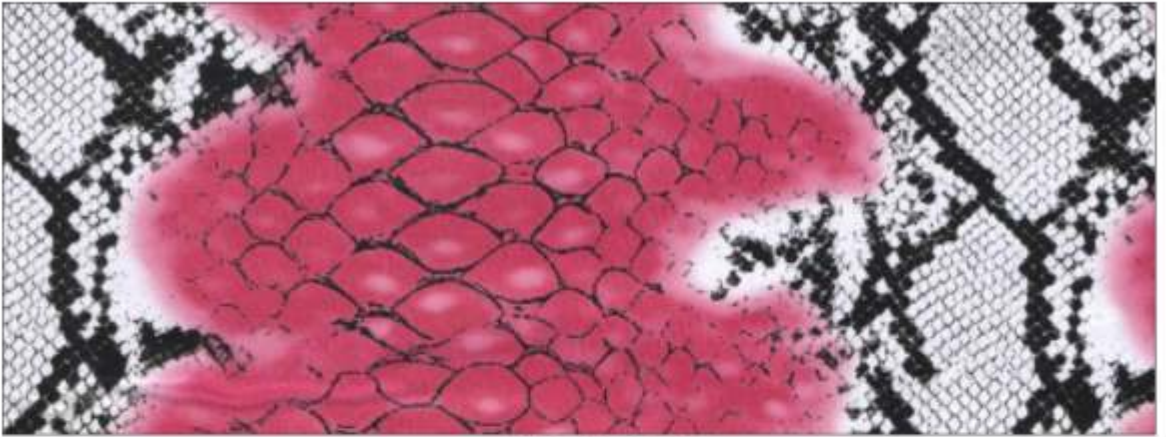
ANACONDA-9



ANACONDA-10



ANACONDA-6 DC



ANACONDA-7 DC



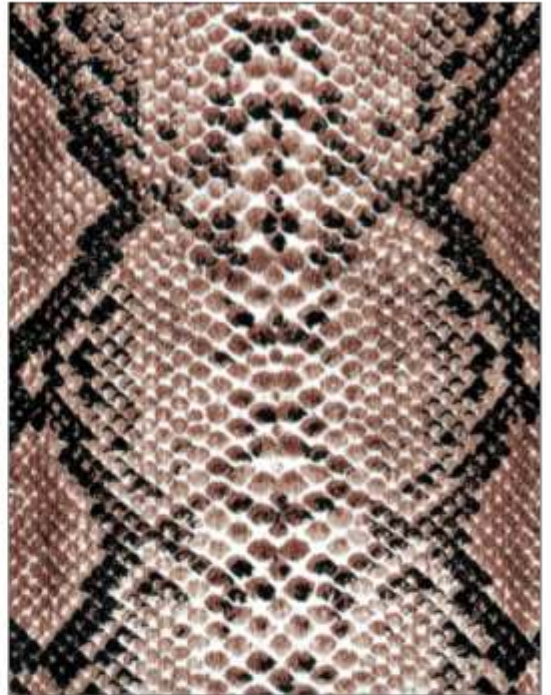
ANACONDA-8 DC



ANACONDA-12DC



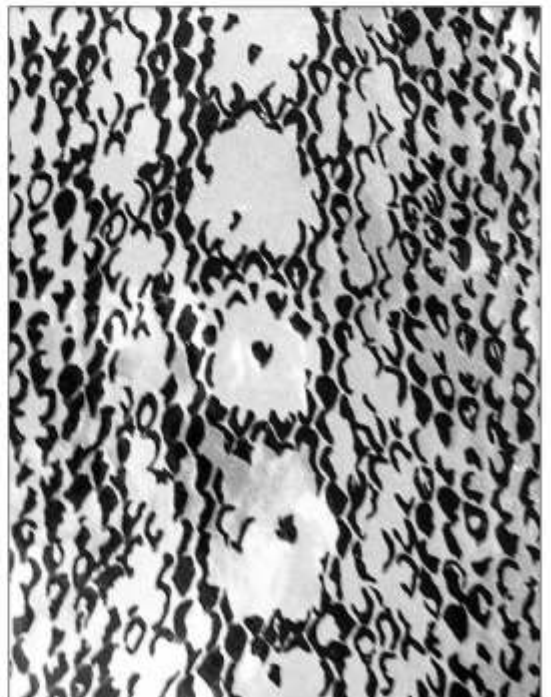
ANACONDA-5 DC



ANACONDA-4 DC



ANACONDA-DC



SNAKE



COBRA-4



COBRA-1



SMALL FLOWER MC



GIOSEPPO FLOWER MC



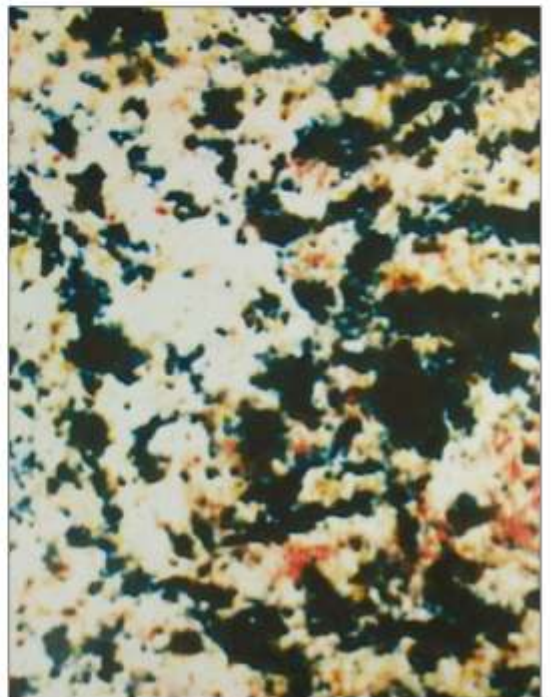
ROSE FLOWER MC



FLOWER B MC



VICTORIAN FLOWER MC



WILD FLOWER MC



SPRING FLOWER MC



DRISH FLOWER MC



LEAVES FLOWER MC



MIDNIGHT 2 MC



FLORAL FLOWER MC



FLOWER MC



BUTTERFLY LEAVES MC





FLOWER PAINT MC



FUSION MC



ROSE FLOWER DC



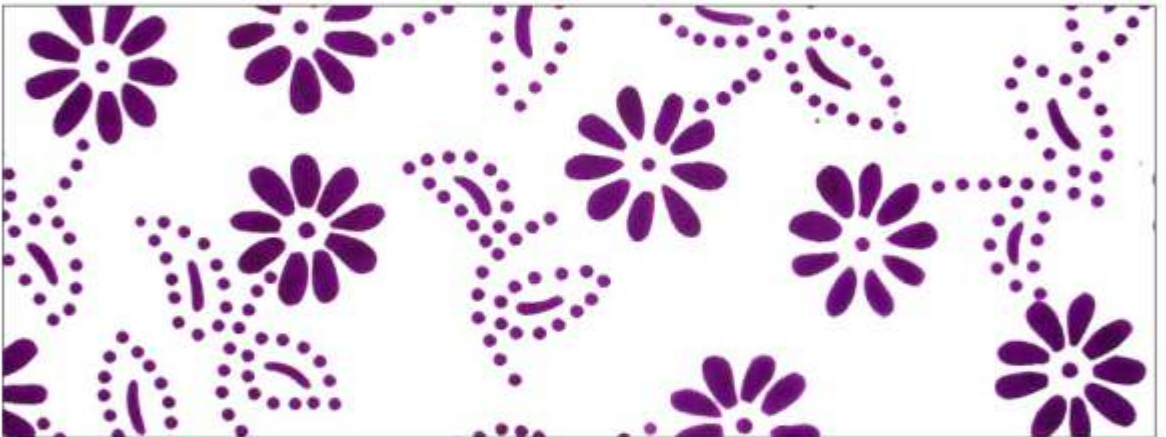
MAGIC MC



CYPRUS FLOWER MC



TULIP



BOOTY FLOWER



BRAIDED FLOWER



DAISY FLOWER



JUNGLEE



BUTTERFLY MC



HELLEBORE MC



MYSTIC DC



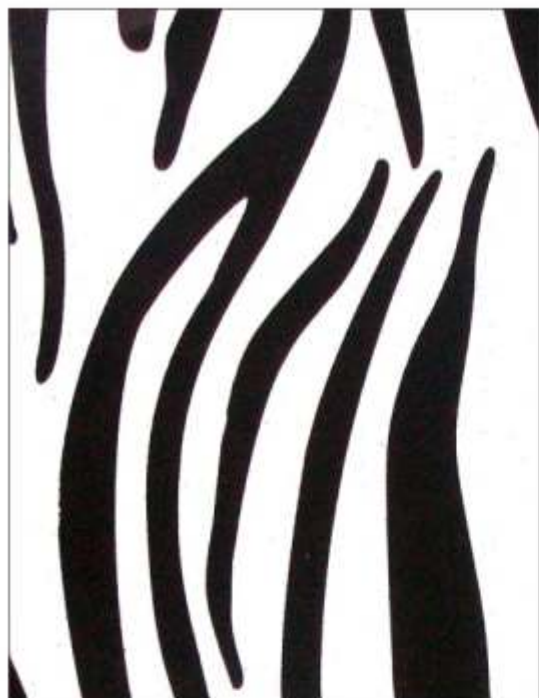
OPA FLOWER MC



VICTORIAN FLOWER-II- MC



WILD FLOWER



BABY TIGER



ZEBRA



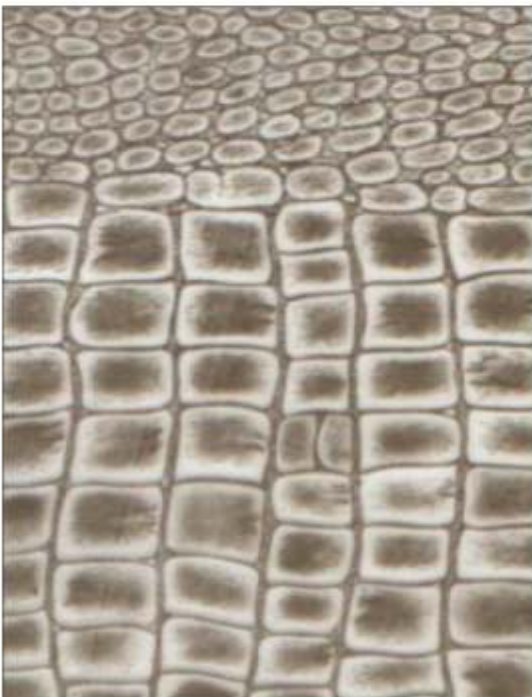
BABY ZEBRA



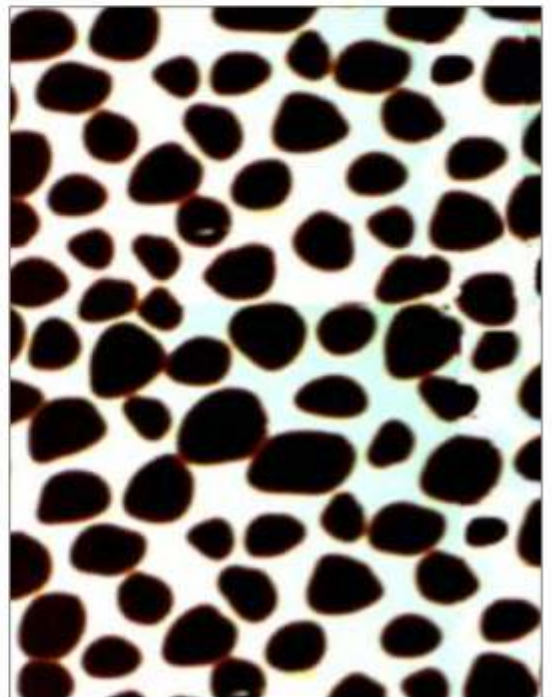
TORTOISE



CROCO

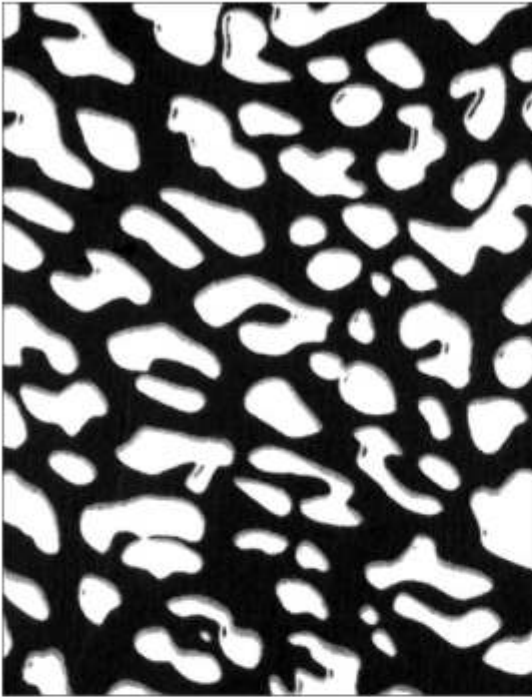


CROCO-M



PEBBLES DC





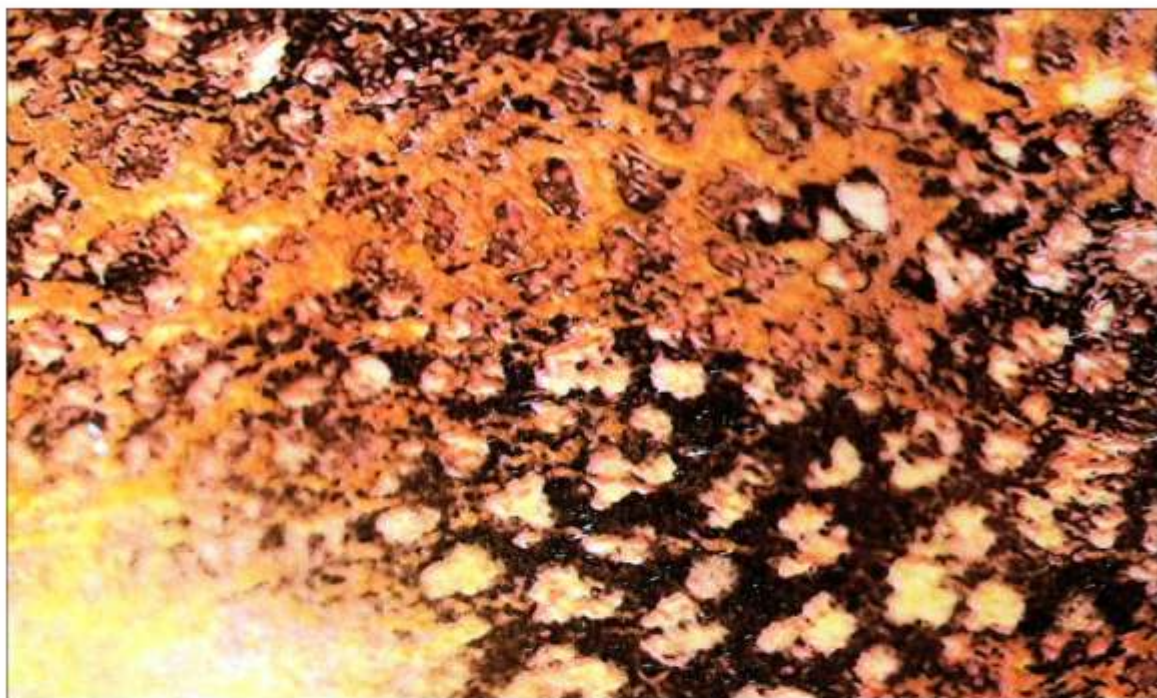
BABY LEOPARD NEW



BABY LEOPARD DC



JAGUAR FLORAL



FLORA LEOPARD 2 MC



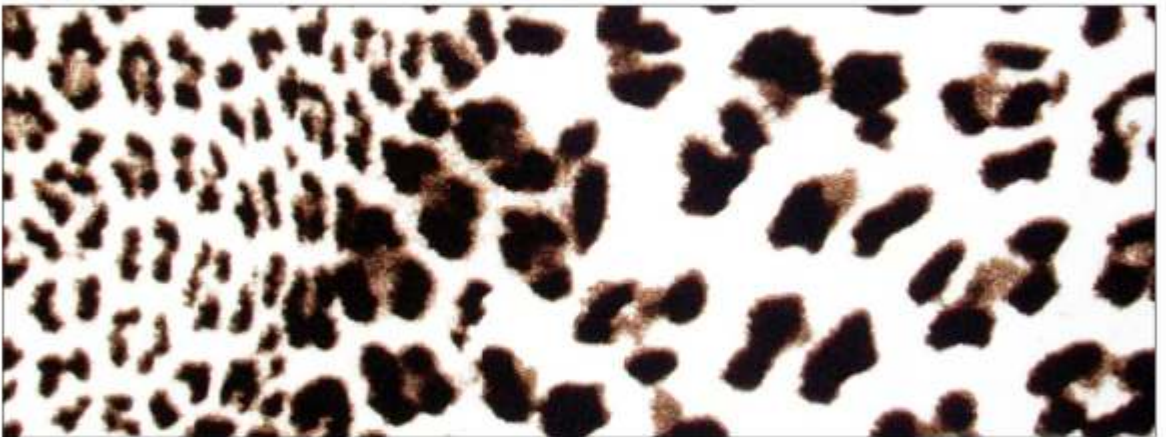
LEOPARD DC



LEOPARDO DC



HIMALAYAN LEOPARD



FLORA LEOPARD DC



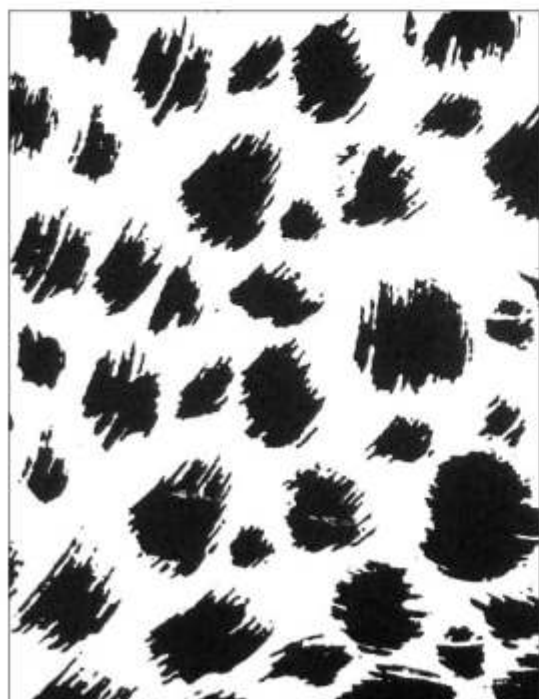
FLORA LEOPARD MC



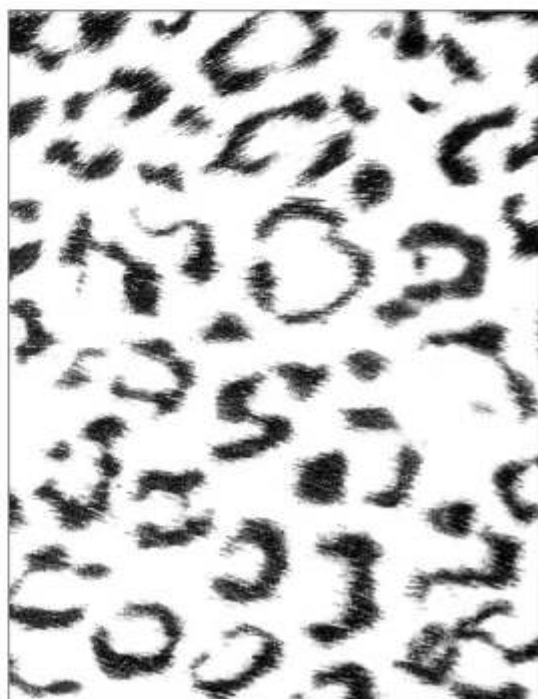
GIGGI



DESSI LEOPARD



LEOPARD-2



SNOW LEOPARD



HYENA-3



COMMANDO M MC



FISH SCALE-3



COMMANDO-C-MC



COMMANDO-A



COMMANDO-D



COMMANDO-B-MC



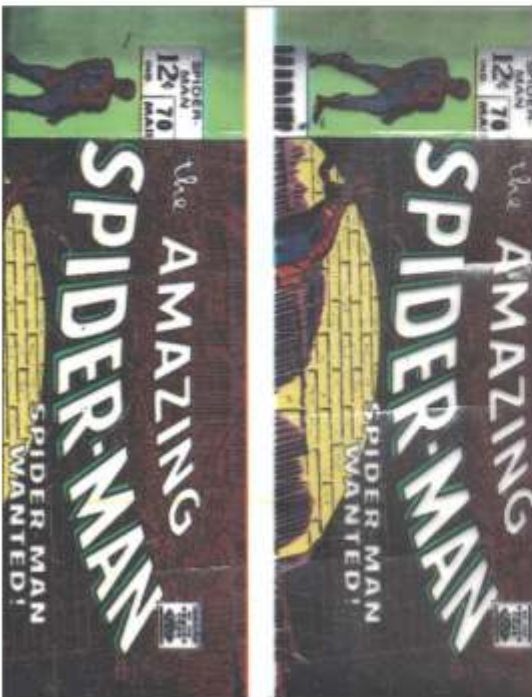
COMMANDO MC



SURFING HORSE



NEWS PRINT DC

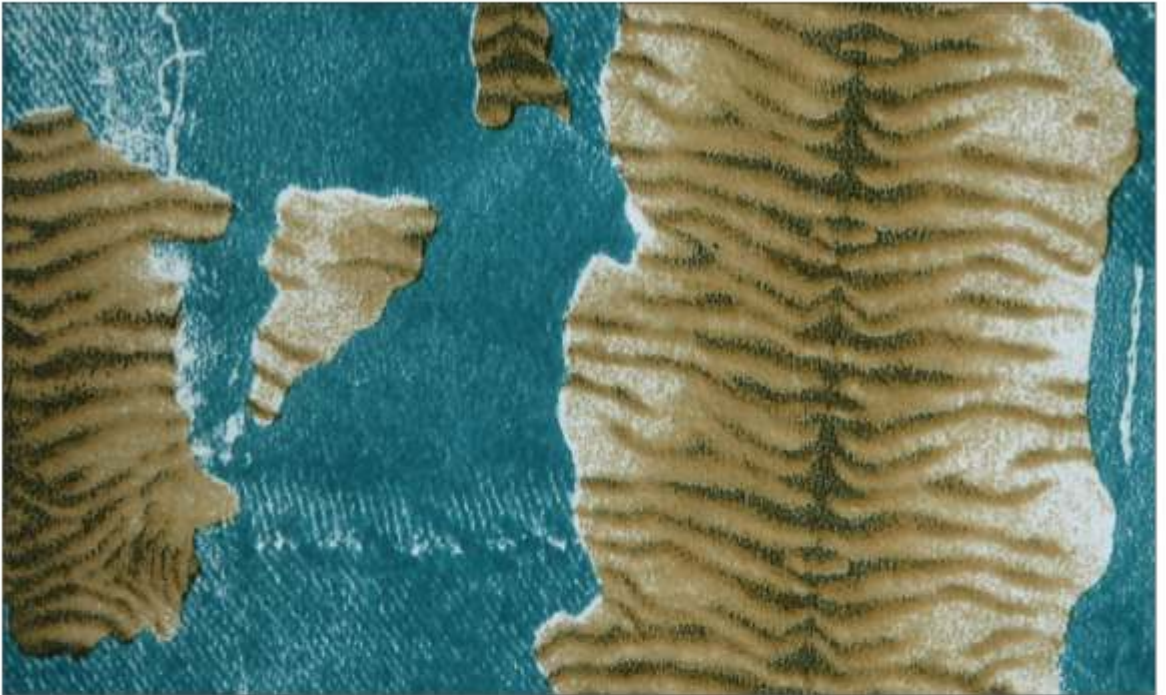


SPIDER MAN MC



NEWS PRINT-III

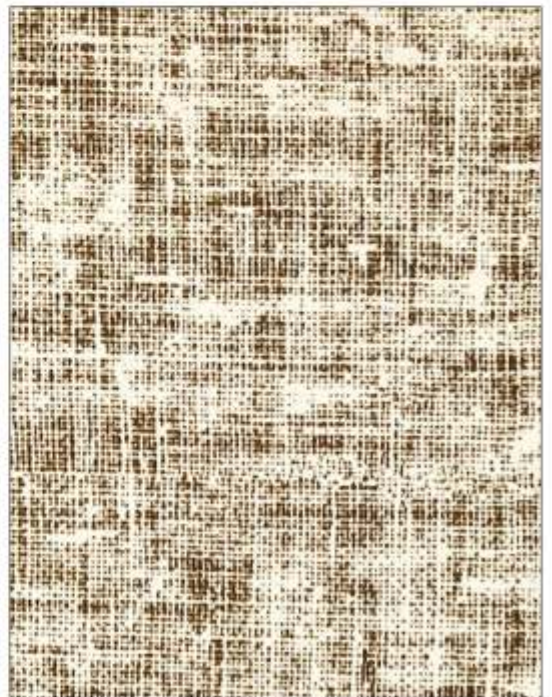




DENIM LEOPARD



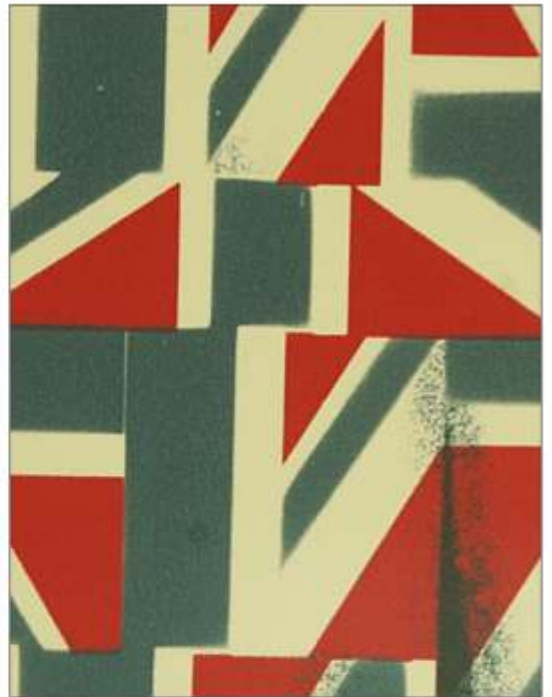
KHADI-2



KHADI-1



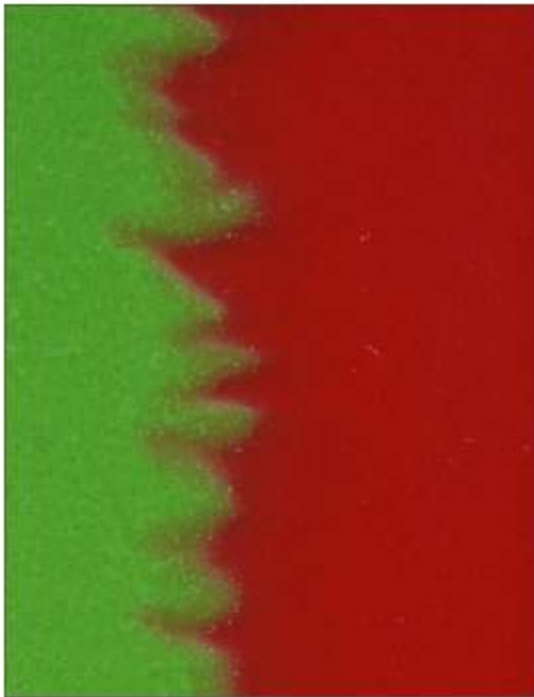
DENIM



FLAG MC



BUDDHA DC



FUSION DC



MEHANDI



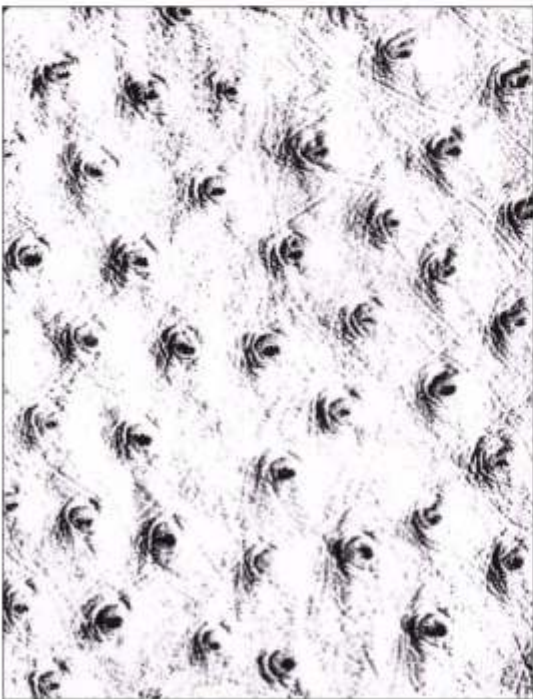
MEHANDI MC



PEACOCK DC



LEGGIN MC



OSTRICH



TEDDY BEER



TEDDY BEAR MC



WOOD MC



LA-FLOWER



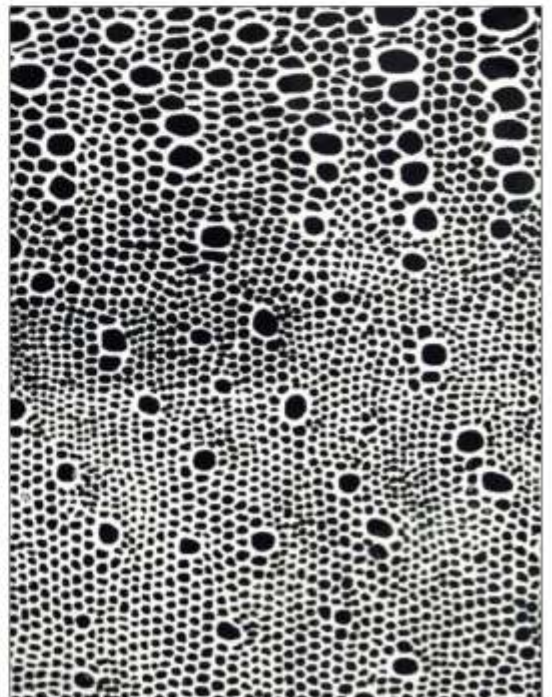
LEAVES MC



GEOMETRIC-2



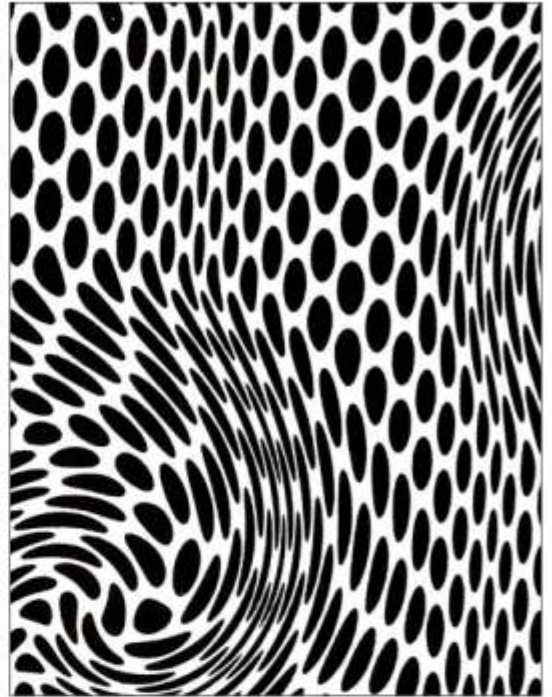
LEICA



DOTEX



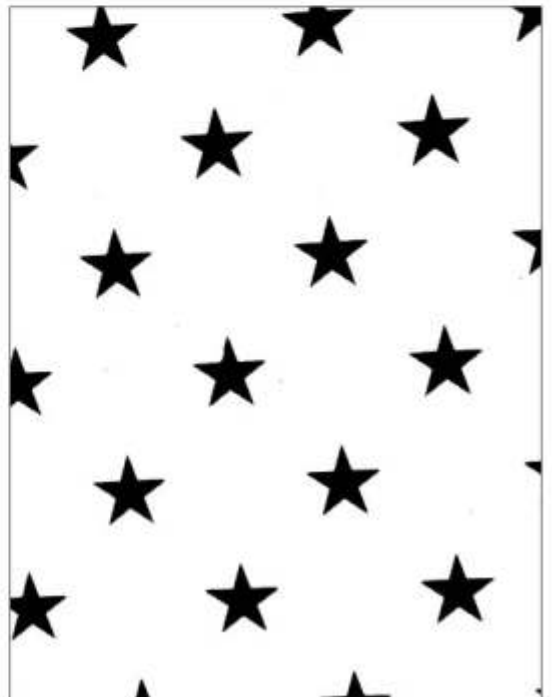
MULTI PATTERN



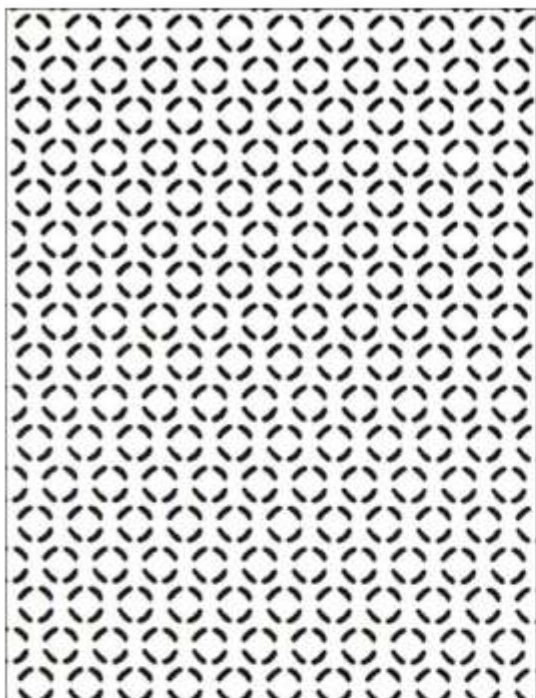
SWIRL



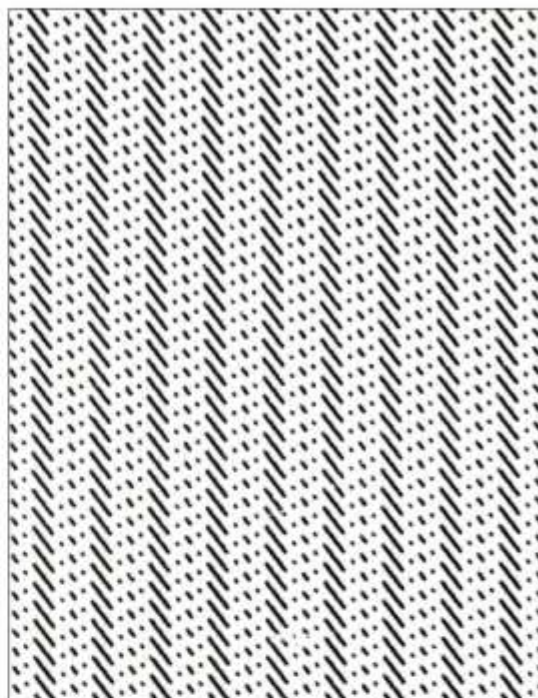
POLKA DOTS



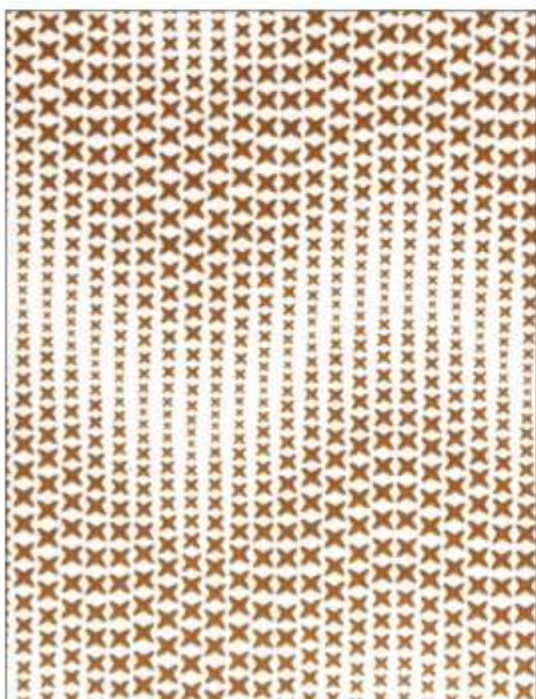
STAR



INTERLOCK



ZIP LINE



STAR LINE



GEOMETRIC

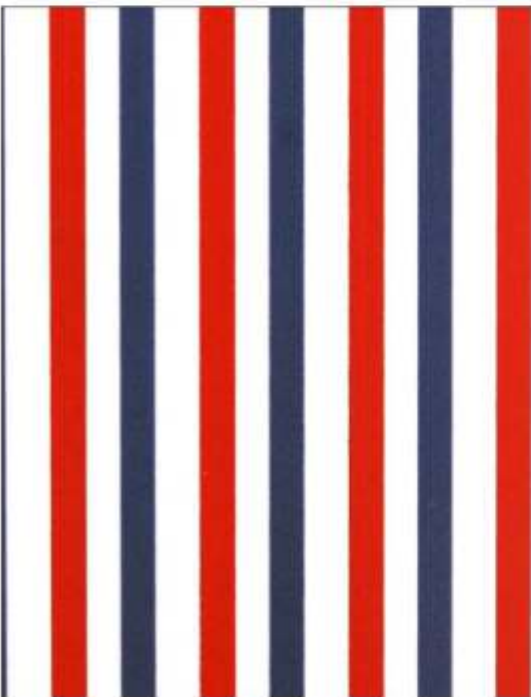




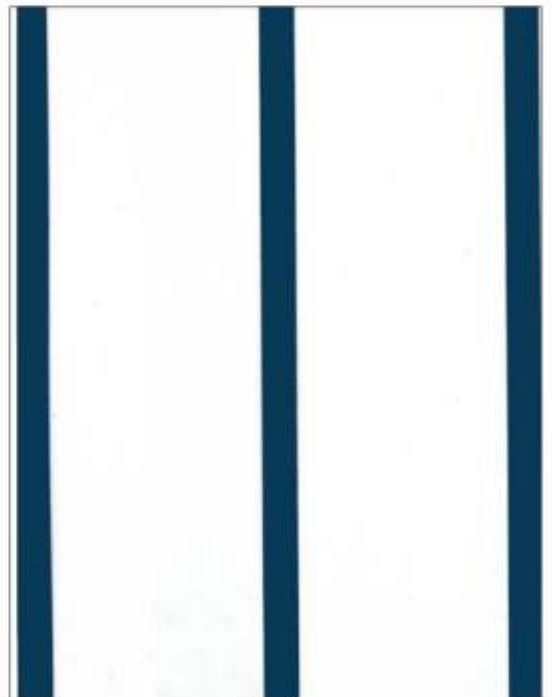
SCATTERED LINE



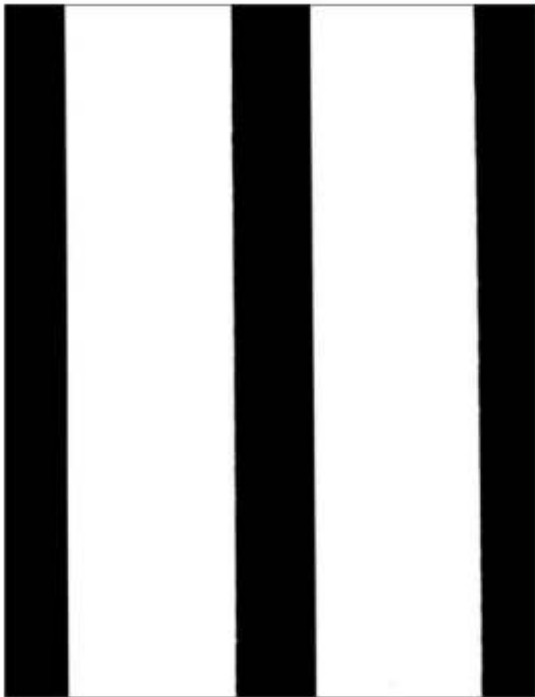
STRIPS



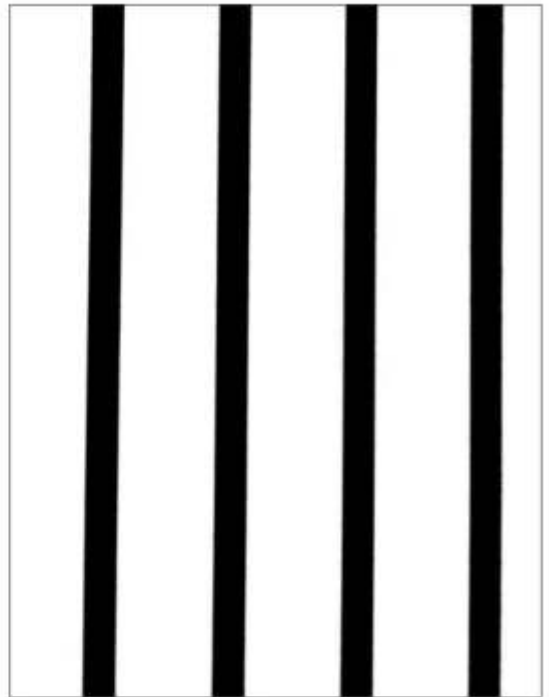
STRIPS DC



STRIPS BIG



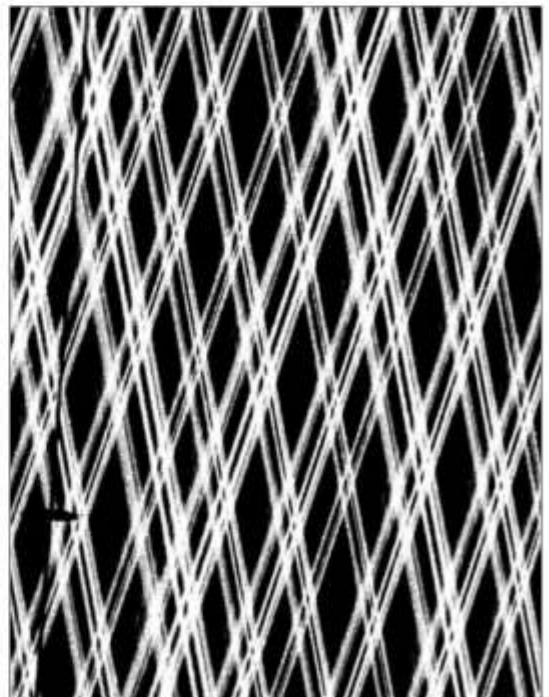
STRIPS BOLD



STRIPS 2



STRIPS MC



MESH



BARS-1



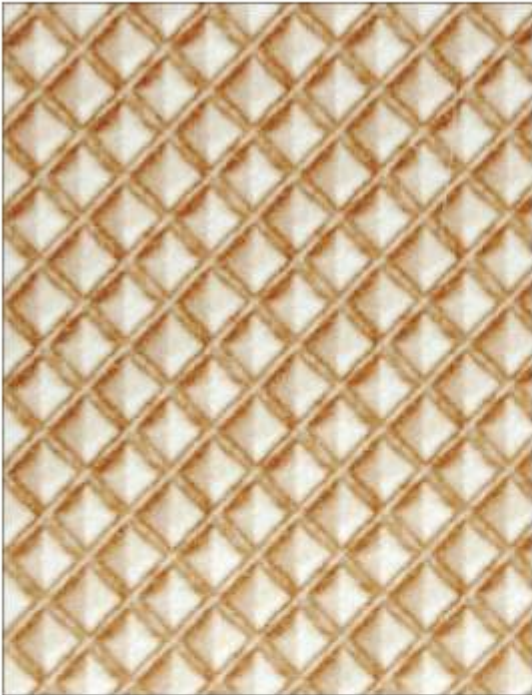
BARS-2



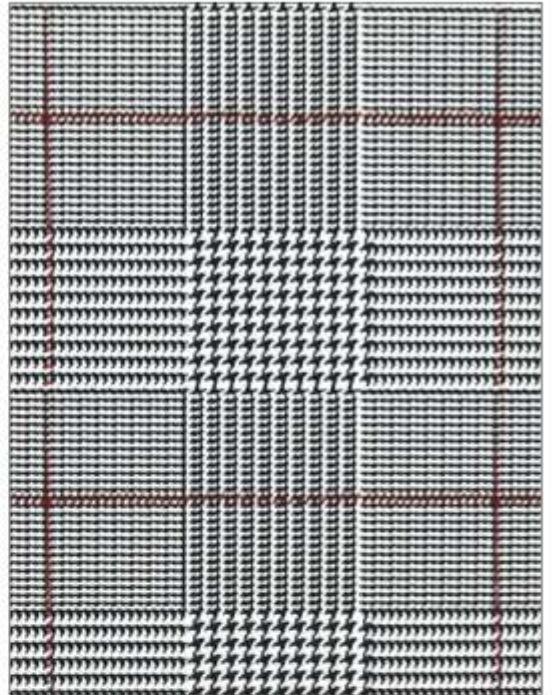
DIAMOND-3



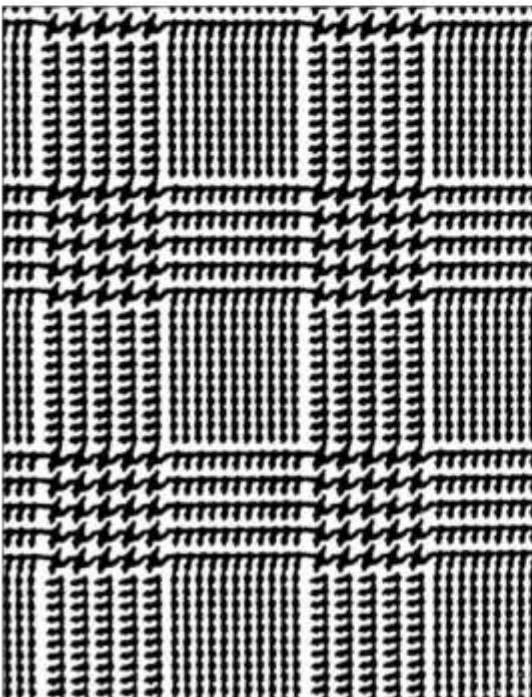
DIAMOND 1



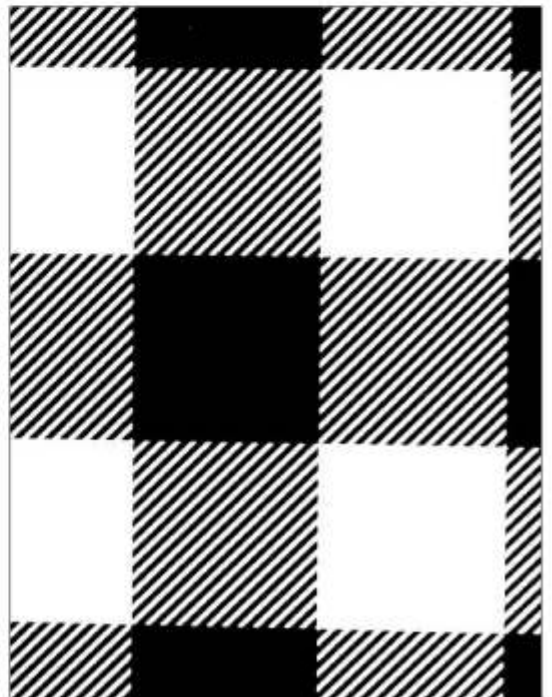
CHECK LINE



ZEE CHECK-2 DC



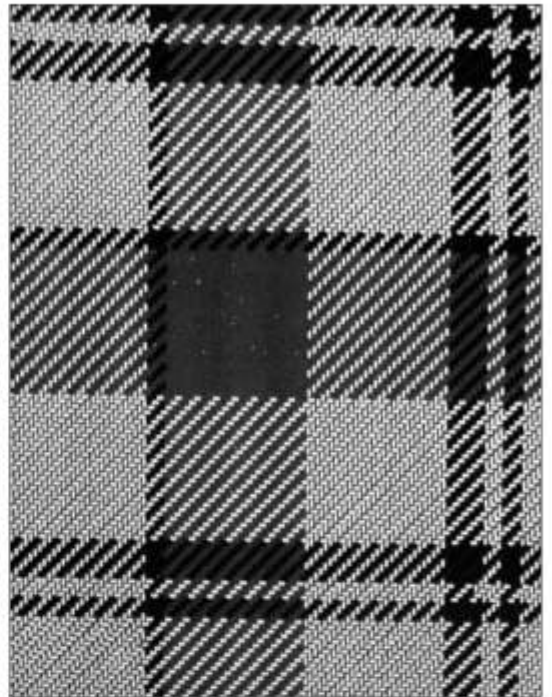
ZEE CHECK



SQUARE CHECK LINE



CHECK-B



BIG CHECK



SQUARE CHECK DC



BLOCKS MC



GOYARO



CROSS WAVES



BIG WAVES



WAVES-3



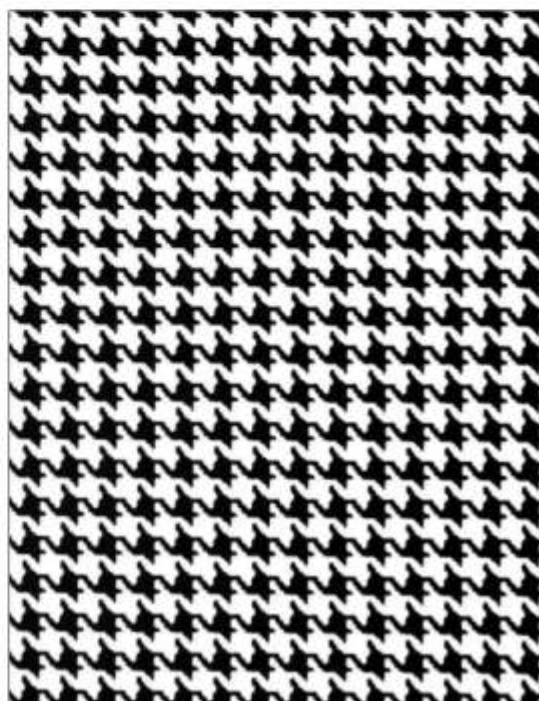
WAVES-2



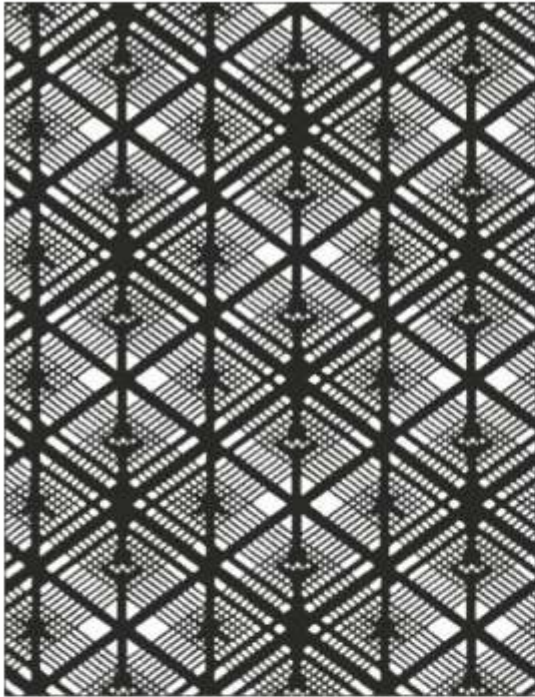
WAVES-1



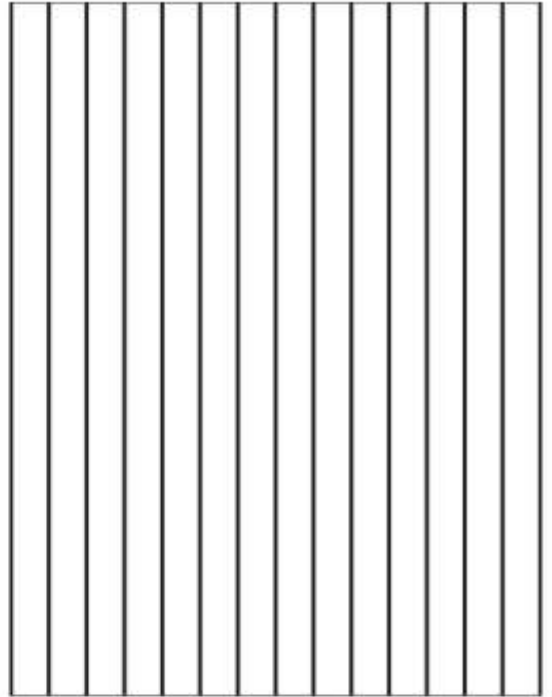
HERRING BONNE



HOUND



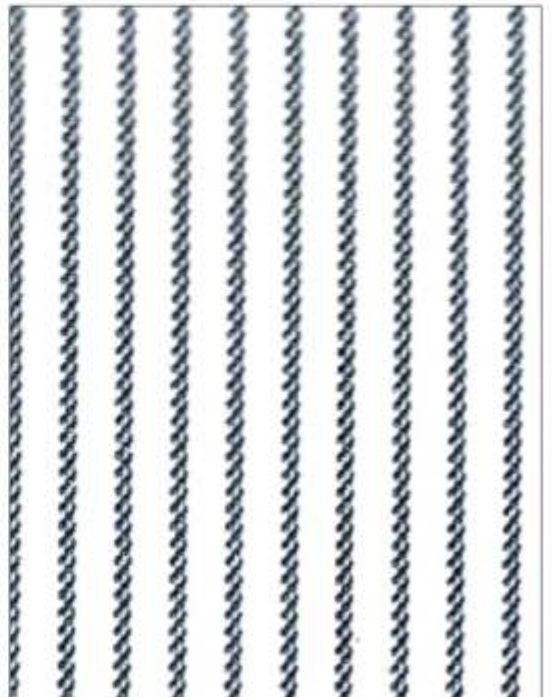
Diamond 2



Linen-C

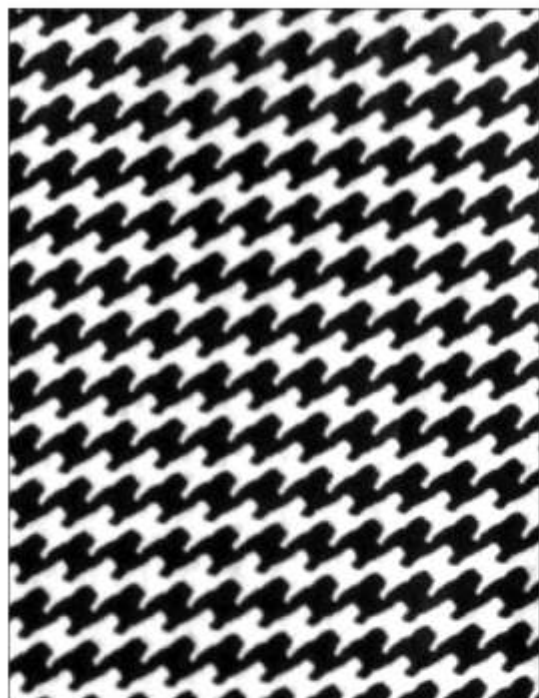


Midnight Dots

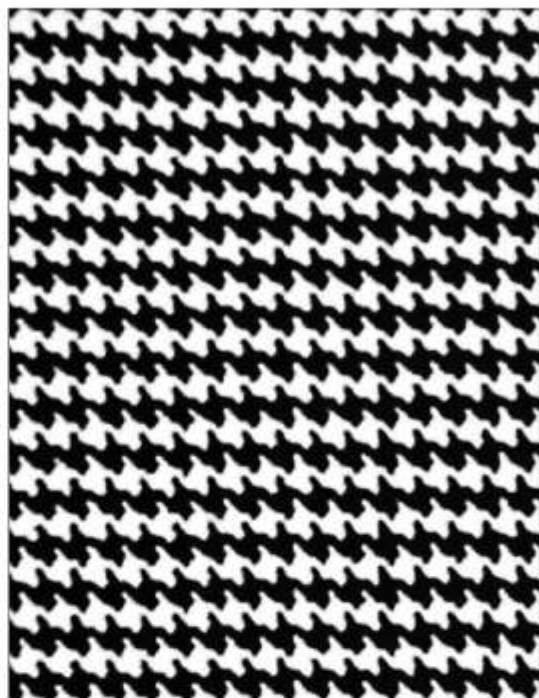


ZigZag Line

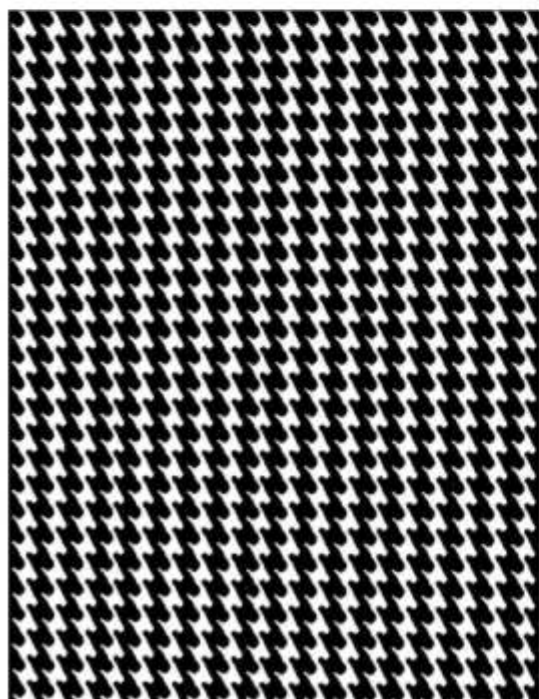




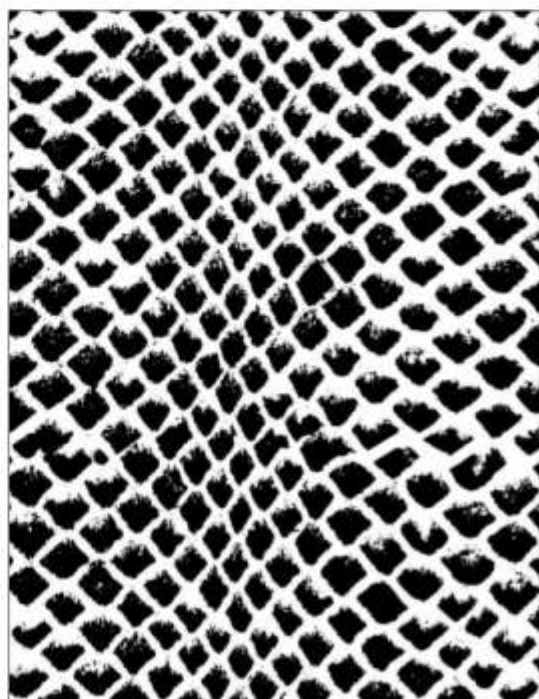
ZEE-2



ZEE-B



ZEE



FISH SCALE-2



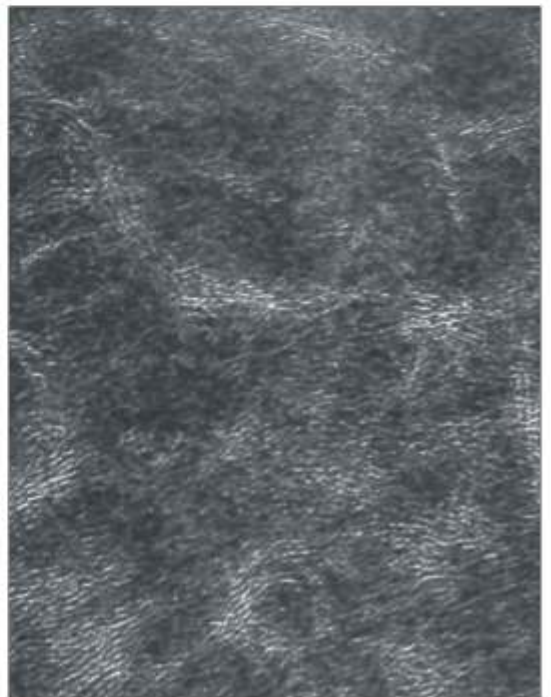
FUNGUS



BUFF GRAIN-2



BUFF GRAIN



GOAT GRAIN



BRUSH OFF



WHIRLPOOL-2



GRASS



SUN CRUNCH-2



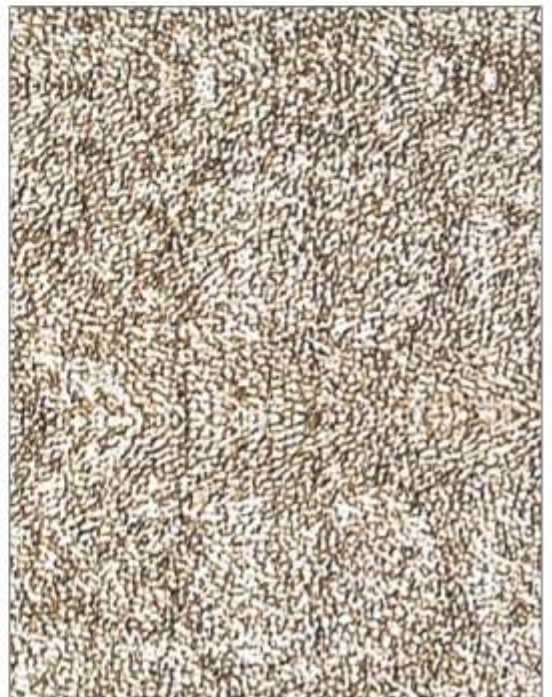
SUN CRUNCH



VEINS



JUNGLE DC



MICA



ANTIQUE



CLOUD-1



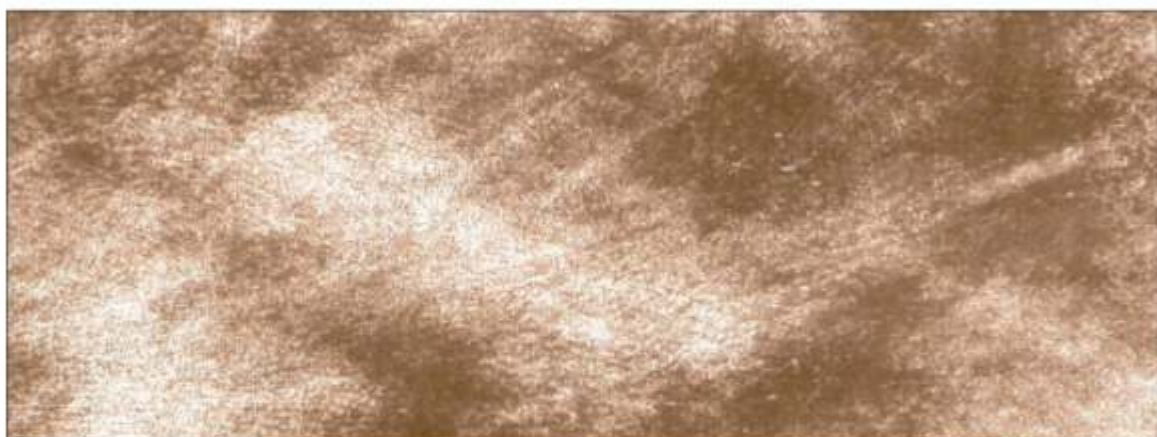
CLOUD-1.5



CLOUD-6



CLOUD-2



CLOUD-3



CLOUD-5



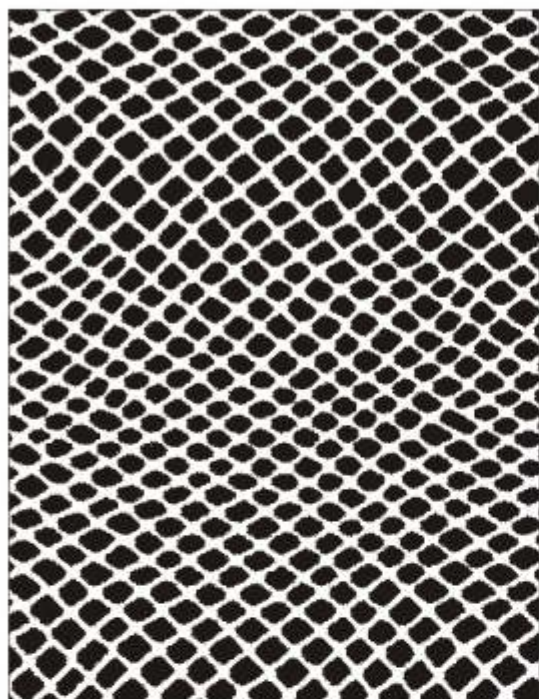
TIE & DIE



WIGNET



WIGNET DC



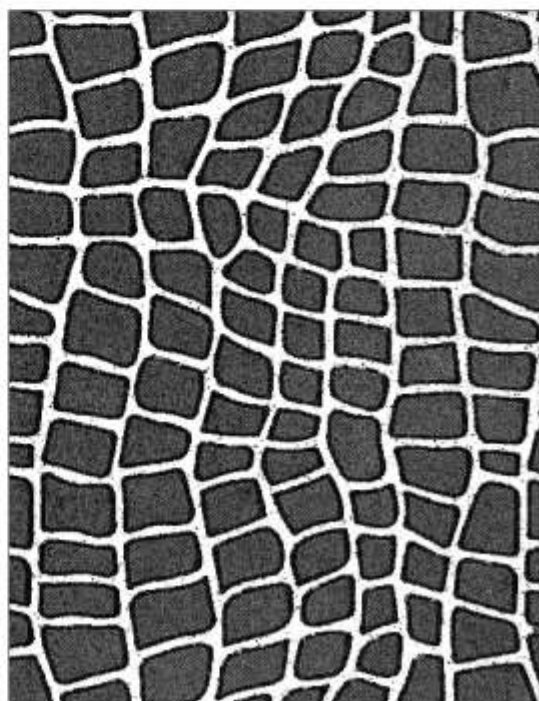
SP-001



SP-002

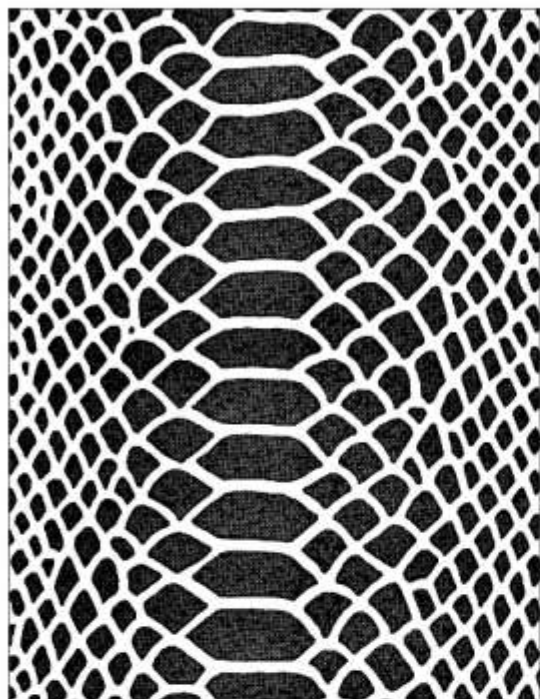


SP-003



SP-004





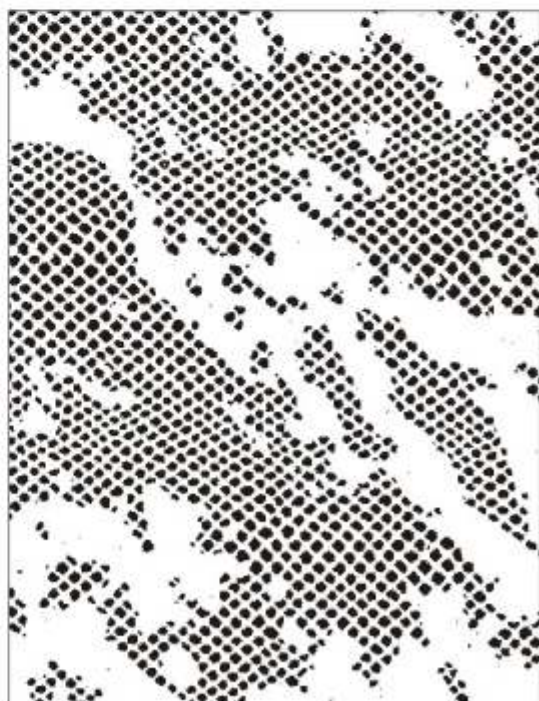
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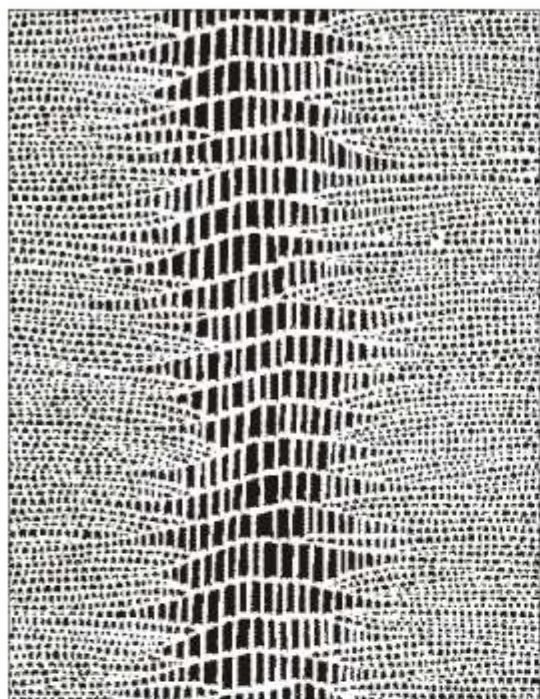
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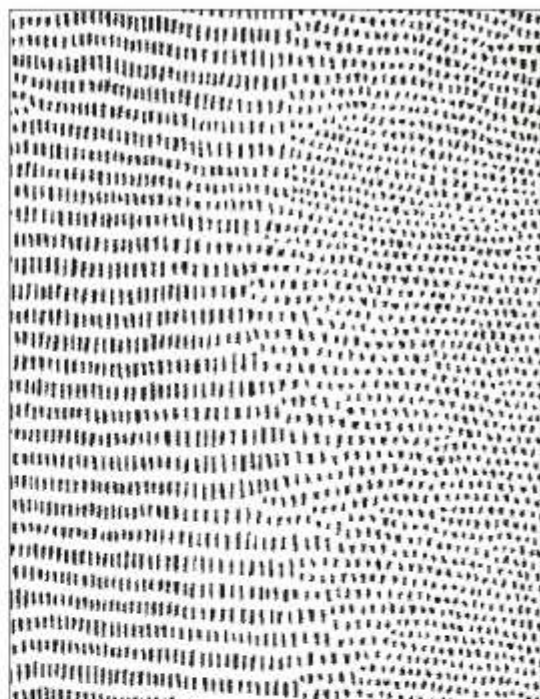
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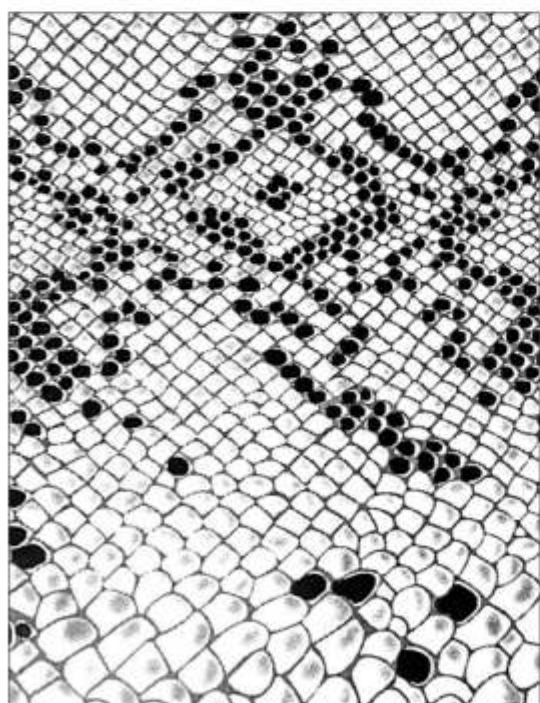
SP-008



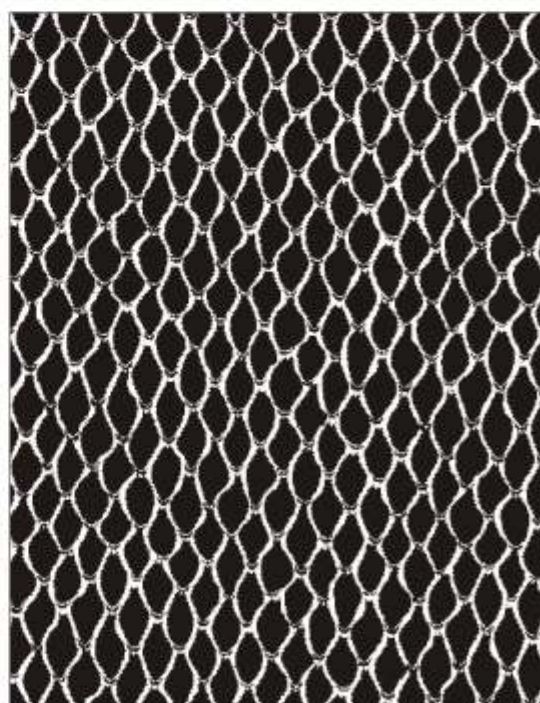
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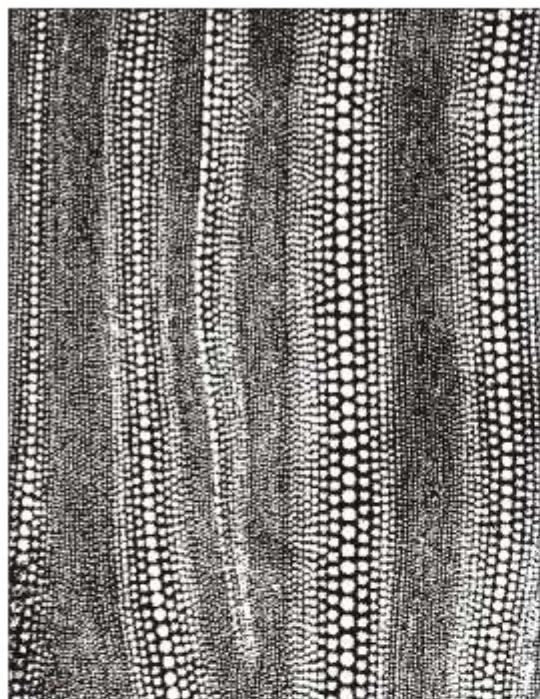
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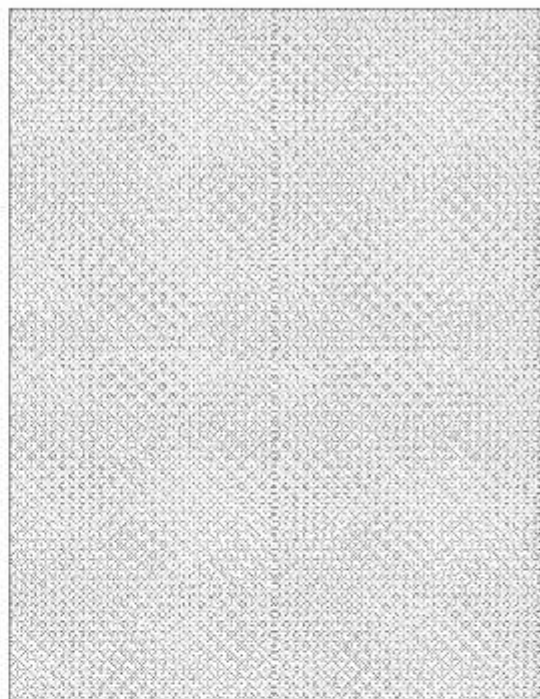
SP-011



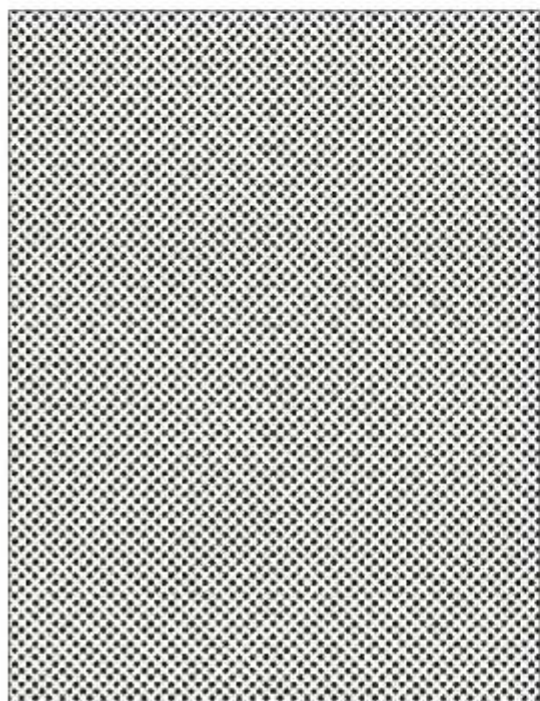
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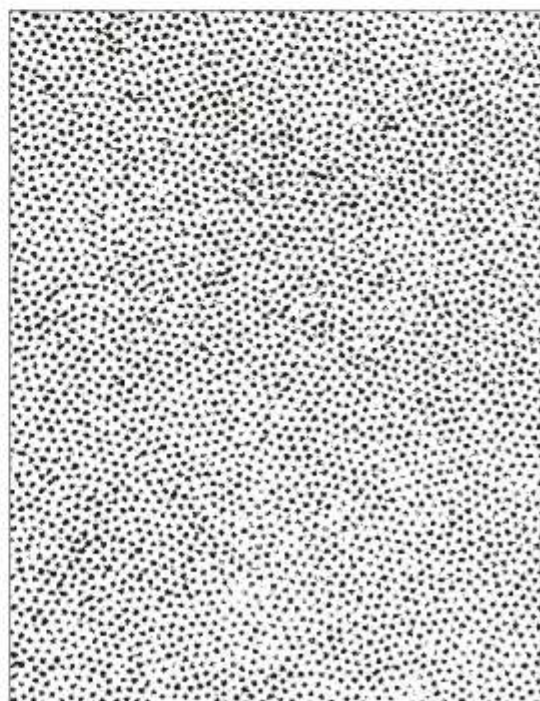
SP-071



SP-101



SP-102



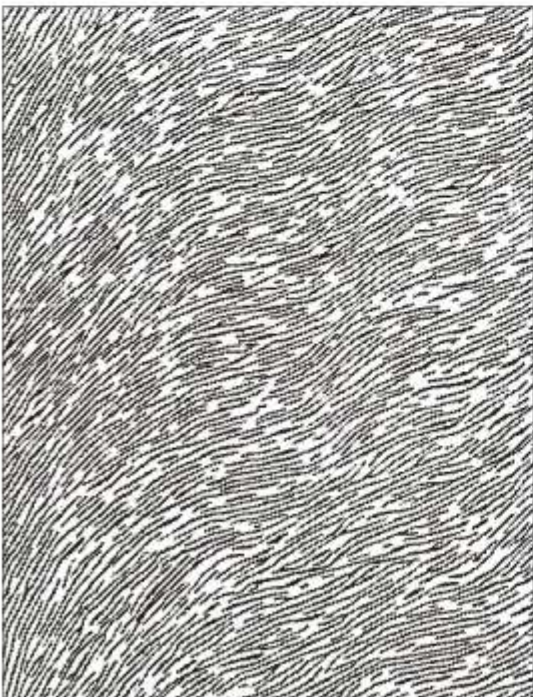
SP-103



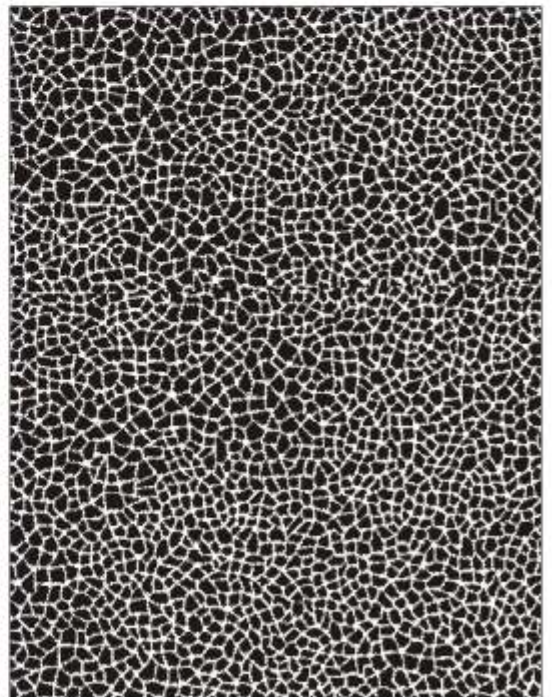
SP-104



SP-105



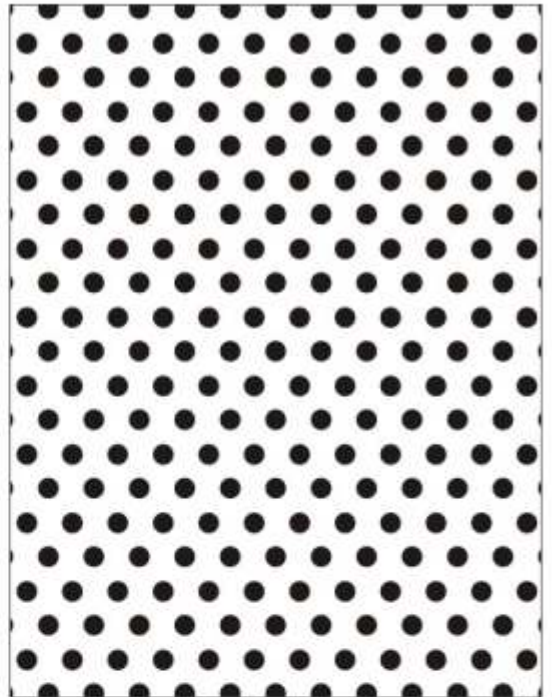
SP-106



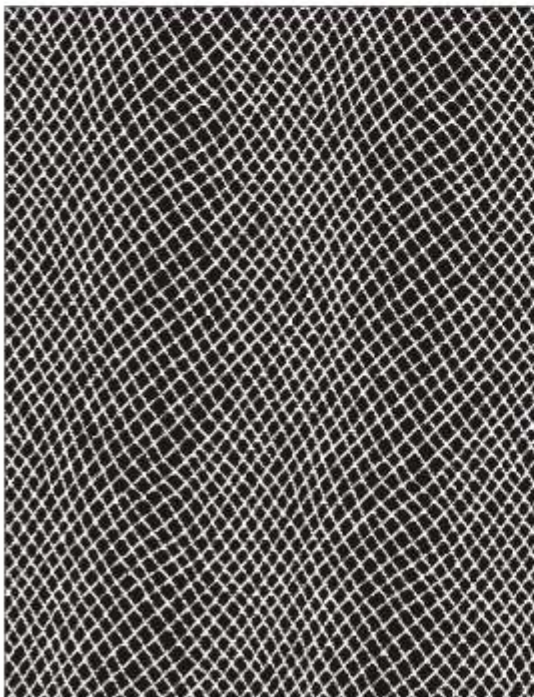
SP-107



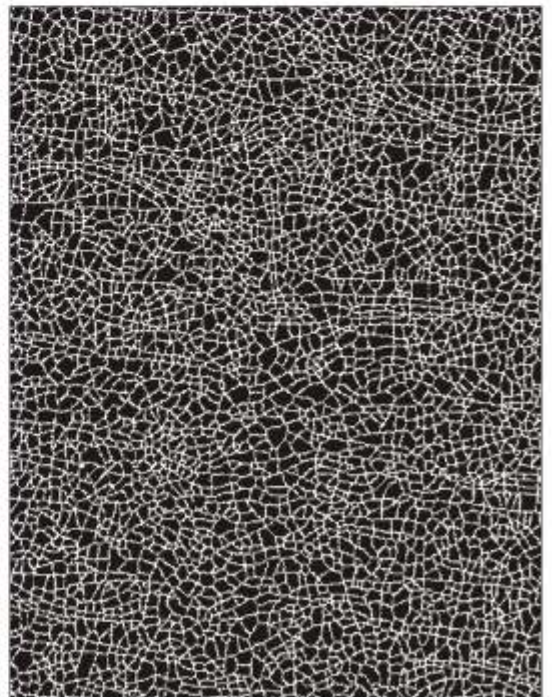
SP-108



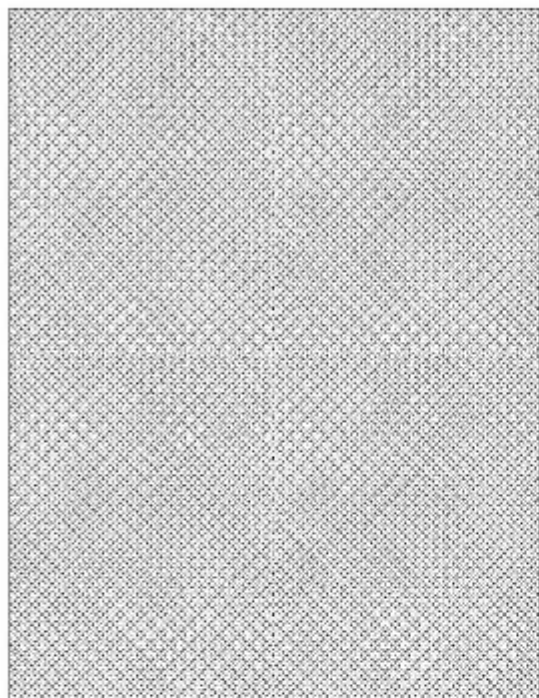
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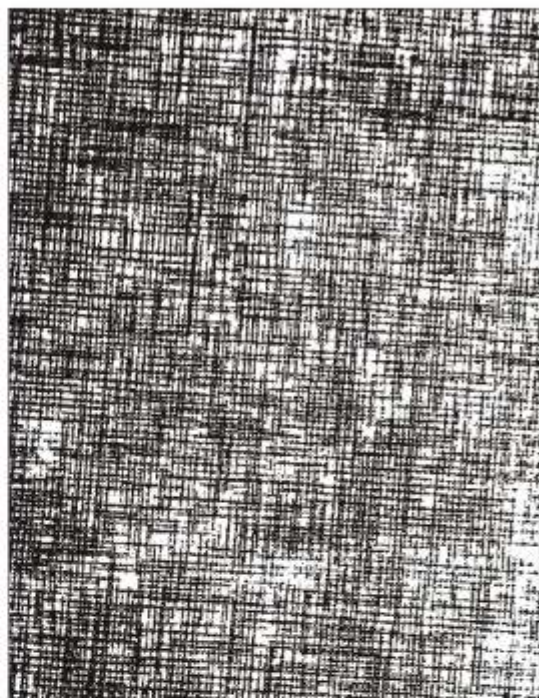
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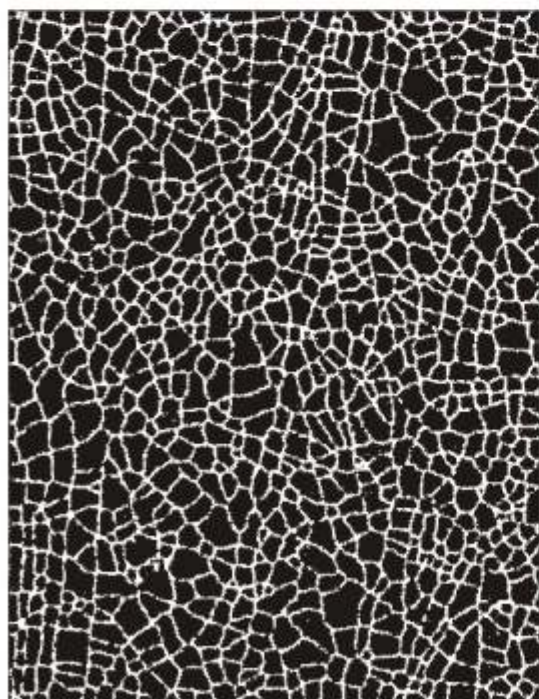
SP-118



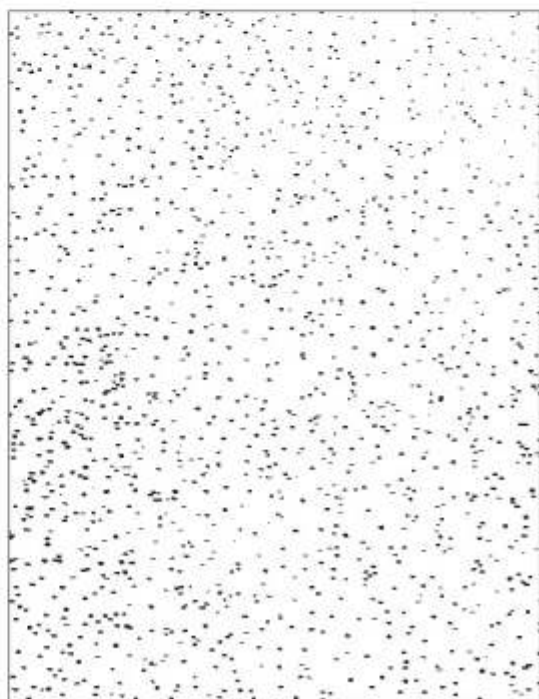
SP-119



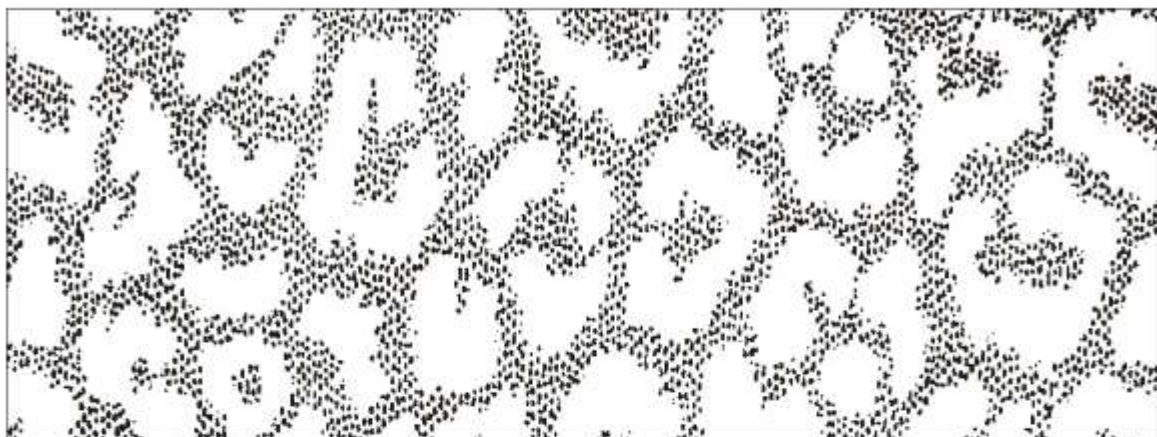
SP-147



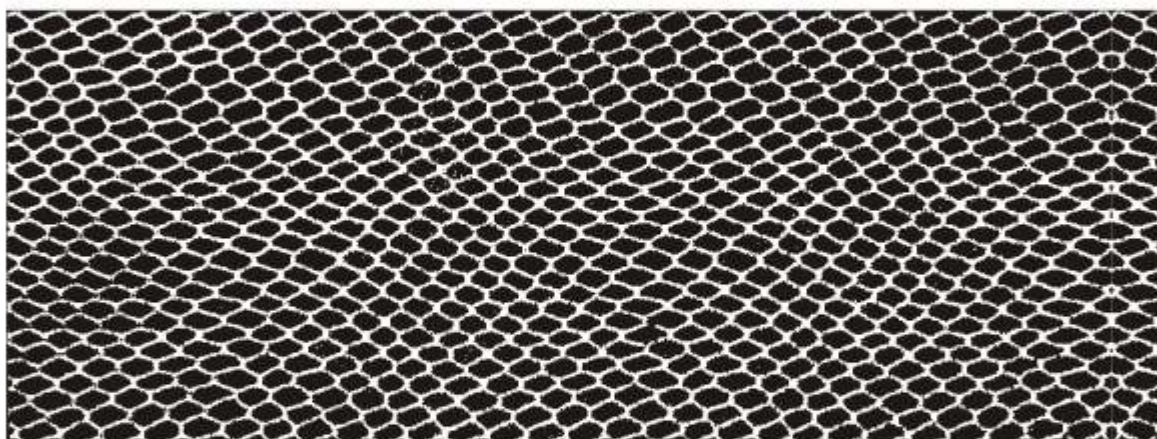
SP-181



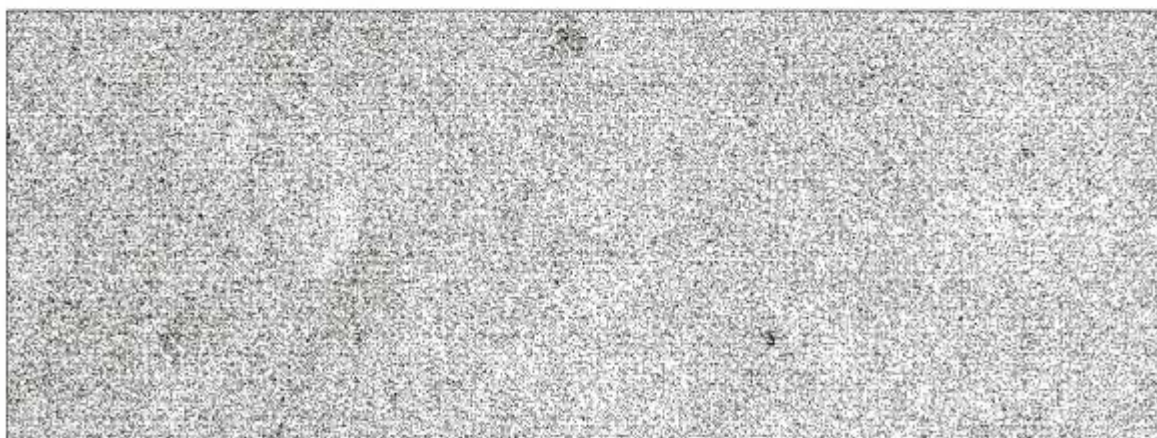
SP-182



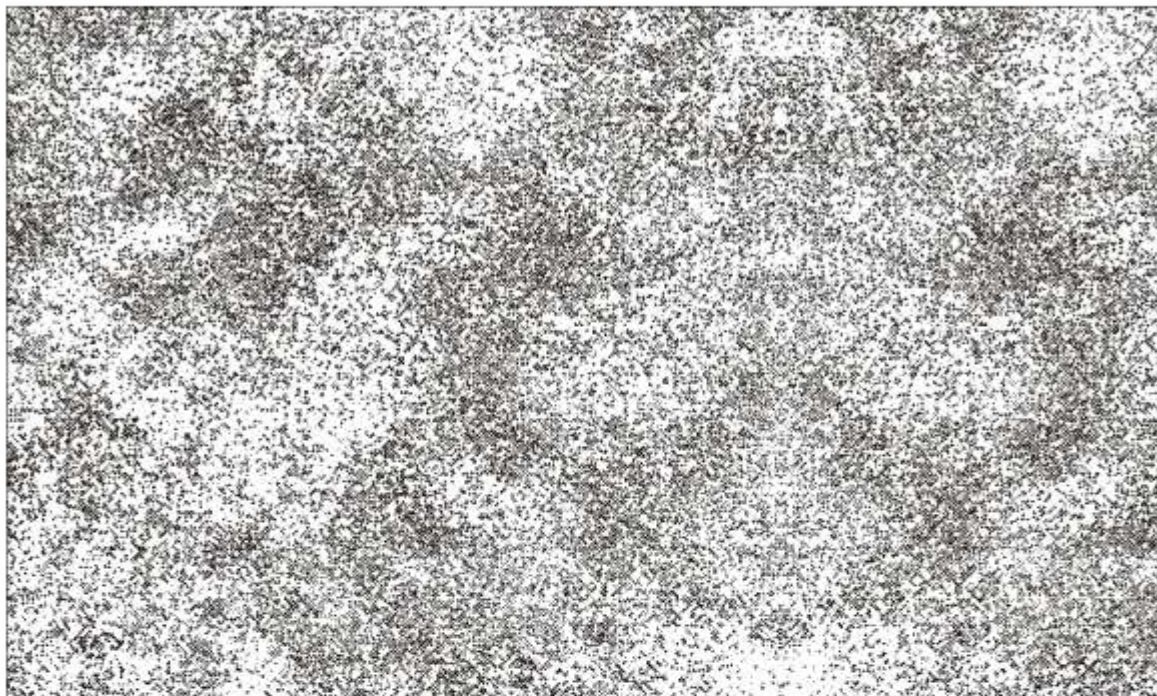
SP-117 TR



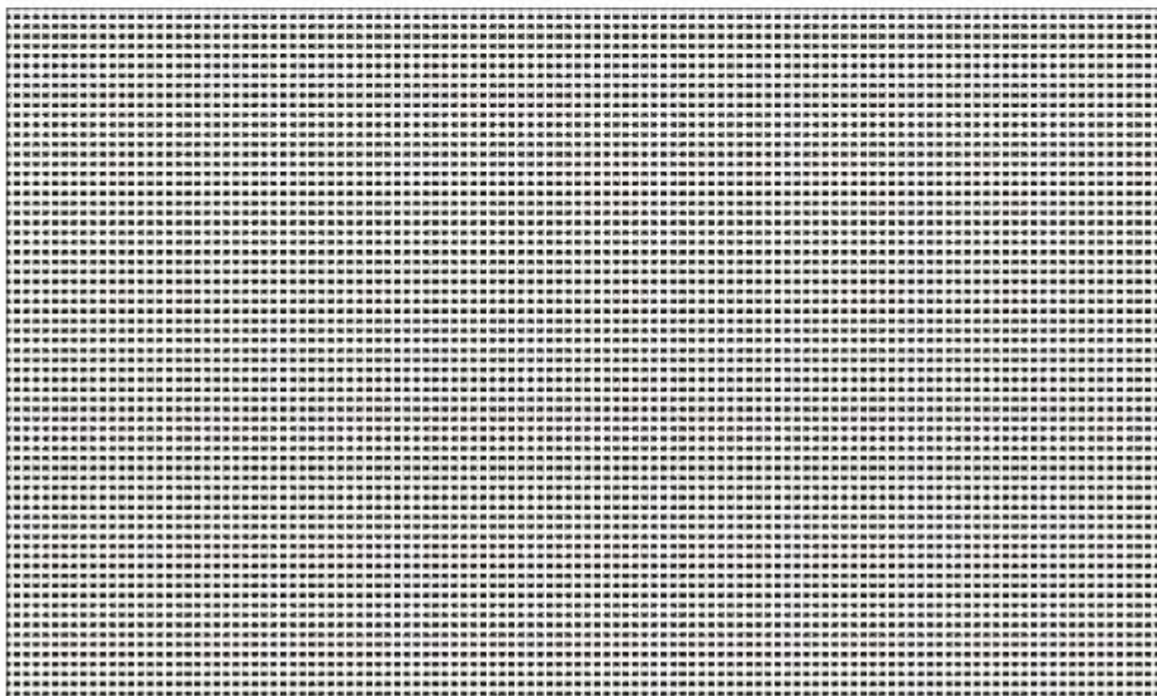
SP-114 TR



SP-152 TR



SP-123 TR



SP-193 TR



PRODUCT	DESCRIPTION	RECOMMENDED FOR FOLLOWING LEATHERS	MATT	DULL GLOSS	GLOSS	COLOURS	RECOMMENDATIONS			
							TRANSFER CONDITIONS	POST TRANSFER	LEATHER COLOUR	FINAL USE OF LEATHER
Metallic SU	Metallic look	Grains: Split	✓	NA	✓	As per shade card	Temp: 75-85 degree C Pressure: 125-150 KJ/cm2 Dwell Time : 2-3 seconds	Over spray/feel modifier should not be used. Mild Milling if required	White or matching colour	Goods, Garments, Footwear
Metallic Crackle	Crackle Metallic look	Split or flesh side (Breaking pattern depends upon fibre size of leather)	NA	NA	✓	As per shade card	Temp: 75-85 degree C Pressure: 125-150 KJ/cm2 Dwell Time : 3-4 seconds	Handing/Toggling /Mild milling	Subtle or contrast as per need	Goods, Garments, Footwear
Crackle Bold	Bold crackle finish	Split or flesh side (Breaking pattern depends upon fibre size of leather)	NA	✓	✓	Any Shade	Temp: 90-100 degree C Pressure: 100-150 KJ/cm2 Dwell Time : 4 seconds	Handing/Toggling /Mild Milling/Molissa	Dark colours for plain and contrast colours for black	Goods, Garments, Belts
Crackle SE	Small crackle finish	Split Leather, Suede Leather, Grain Leather	NA	✓	✓	Any Shade	Temp: 90-100 degree C Pressure: 100-125 KJ/cm2 Dwell Time : 4 seconds	Milling, Molissa (For napa like finish)	Contrast colours for crackle appearance. Matching colour napa finish	Goods, Garments
Self Print (SP)	Designs. Product has high scuff resistance. Dry cleanable & washable and resistant to most commonly used solvents.	Split • Suede • Nubuck • Hair on	NA	NA	✓	Transparent, White & Black	Temp: 90-105 degree C Pressure: 100KJ/cm2 Dwell Time : 6-8 seconds	Milling, Toggling, Molissa, Stake	Any colour leather	Goods, Garments, Footwear
Design Vellour	Design transfer · leather retains natural touch.	• Suede • Nubuck • Hair on	✓	NA	✓	Various	Temp: 90-100 degree C Pressure: 100-150 KJ/cm2 Dwell Time : 4 seconds	Handing/Toggling /Mild milling	Suitable colour combination	For Garment Linings
Design Fashion	Design transfers with light sealed look and natural touch	• Suede • Soft Grain • Hair on	✓	NA	✓	Various				Goods, Garments

#### General instructions for Transfer:

- Use crust leather only.
- Physical operations, if any, after 12 hours only.
- Grain leather to be smoothed lightly before transfer
- Leather should be free from unfixed dyes and excess fats.
- Aging of 6-8 hours for all glossy finishes before peel off.
- Thick foils like Patent, Patina, Pull-up, Trendy, OPA need initiation while releasing the paper after transfer.

#### Post-transfer

- Peel off the release paper not less than eight hours after transfer, for best results.
- After transfer you can toggle, molissa, dry mill or kiss plate the leather to achieve any special effect/feels that you require. Feel modifiers can also be sprayed to achieve desired feels on non Metallic Products
- All products are "AZO Free" and conform to international specifications regarding use of approved chemicals only.

**NOTE:** Please note that the above transfer conditions & guidelines are based on our experience and trials. We however, recommend that you do small scale trials yourself to arrive at the best result suited to your manufacturing specifications.

#### Notes for Metallics:

- Spray water based medium soft acrylic binder in 1:3 ratio before transfer of foil
- Paper peel off after 6-8 hrs for best results.
- Desirable leather parameters : FFA < 0.4% WW for metallic foils · pH > 4

Abbreviations NA - stands for Not Available  
used: ✓ - stands for Available

PRODUCT	DESCRIPTION	RECOMMENDED FOR FOLLOWING LEATHERS	MATT	DULL GLOSS	GLOSS	COLOURS	RECOMMENDATIONS			FINAL USE OF LEATHER
							TRANSFER CONDITIONS	POST TRANSFER	LEATHER COLOUR	
Patent	Patent like finish	Lower selection grain, split	NA	NA	✓	Any Shade	Temp: 95-100 degree C Pressure: 100 - 150 Kg/cm <sup>2</sup> Dwell Time : 6-8 seconds	As per requirement	Plain foil on dark colour leather	Goods, Garments, Footwear
Patina	Full coverage foil	Lower selection grain, split	✓	NA	NA	Any Shade	Temp: 95-100 degree C Pressure: 105 - 150 Kg/cm <sup>2</sup> Dwell Time : 4 seconds	As per requirement	Same as foil colour	Goods, Garments, Footwear
Pull up	Crunch look/ Pullup effect	Lower selection grain, split	✓	NA	✓	As per shade card	Temp: 95-100 degree C Pressure: 100 - 105 Kg/cm <sup>2</sup> Dwell Time : 4 seconds	As per requirement	Dark colours	Goods, Garments,
Opaa / Trendy	Nappa like finish	Lower selection grain	✓	✓	✓	Any Colour	Temp: 95-100 degree C Pressure: 100 - 105 Kg/cm <sup>2</sup> Dwell Time : 4 seconds	Milling, Plain, plate at 60 degree C	Same as foil colour	Goods, Garments
Emit	The translucent, foil gives Aniline finish look	<ul style="list-style-type: none"> <li>• Grain</li> <li>• Suede</li> </ul>	✓	NA	✓	Transparent, light Black	Temp: 95-100 degree C Pressure: 100 - 105 Kg/cm <sup>2</sup> Dwell Time : 4 seconds	Milling if required	Natural & medium dark colour	Goods, Garments
Millitex	Non-Metallic design stamping	On Self Print finished leather	NA	NA	✓	Various designs / colours	Temp: 100-105 degree C Pressure: 100 - 150 Kg/cm <sup>2</sup> Dwell Time : 4-6 seconds	Milling if required	Various	Goods, Garments, Footwear
HSF	Metallic hot stamping	On Self Print finished leather	NA	NA	✓	As per shade card	Temp: 90-95 degree C Pressure: 100 - 150 Kg/cm <sup>2</sup> Dwell Time : 3-4 seconds	Milling if required	Various	Goods, Garments, Footwear
Met SF	Fine metallic crackle	Split / Suede	NA	NA	✓	As per Met shade card	Temp: 75-85 degree C Pressure: 100 - 150 Kg/cm <sup>2</sup> Dwell Time : 3-4 seconds	Mild Milling	Dark / Contrast	Goods, Garments
Met SF 2	Sparkle Metallic	Split / Suede	NA	NA	✓	As per Met shade card	Temp: 75-85 degree C Pressure: 100 - 150 Kg/cm <sup>2</sup> Dwell Time : 3-4 seconds	Mild Milling	Dark / Contrast	Goods, Garments

#### General instructions for Transfer:

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- Physical operations, if any, after 12 hours only.
- Grain leather to be smoothed lightly before transfer
- Leather should be free from unfixed dyes and excess fats.
- Ageing of 6-8 hours for all glossy finishes before peel off.
- Thick foils like Patent, Patina, Pull-up, Trendy, OPA need initiation while releasing the paper after transfer.

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- Peel off the release paper not less than eight hours after transfer, for best results.
- After transfer you can toggle, massage, dry mill or kiss plate the leather to achieve any special effect/feels that you require. Feel modifiers can also be sprayed to achieve desired feels on non Metallic Products
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**NOTE:** Please note that the above transfer conditions & guidelines are based on our experience and trials. We however, recommend that you do small scale trials yourself to arrive at the best result suited to your manufacturing specifications.

#### Notes for Metallics:

- Spray water based medium soft acrylic binder in 1:3 ratio before transfer of foil
- Paper peel off after 6-8 hrs for best results.
- Desirable leather parameters : CFA < 0.4% WW for metallic foils    pH > 4

Abbreviations    NA - stands for Not Available  
used:    ✓ - stands for Available

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