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Sculpt Nouveau
Patinas and Metal Finishes

Scan this code for a general overview of Sculpt Nouveau products.

Throughout this publication QR Codes will be placed next to various products. Once scanned, a video will display demonstrating the application process of that product.

For those applications where a painted finish won't do or to achieve a natural finish on your metalwork project, use our range of Sculpt Nouveau patinas and metal finishes. There are typically **3 steps** to achieve a good finish:

STEP 1 - Clean the Metal use Metal Cleaner Degreaser

STEP 2 - Apply Patina (see material and choose your patina)

Traditional Patinas - All contain acids
Smart Stains and Patina Stains - Do not contain acids

Bronze Brass & Copper

CHOOSE:

Birchwood Technologies M38-Brown
Color achieved: Brown
Birchwood Technologies M24-Black
Color achieved: Black
Black Magic
Color achieved: Orange/Black on bonded material, brown/black on cleaned material
Darkening Patina
Color achieved: Brown
Slate Black
Color achieved: Black or if burnished back with steel wool can be an antique brown
Japanese Brown
Color achieved: Golden
Tiffany Green
Color achieved: Green
Smart Stain-Brown
Color achieved: Brown
Smart Stain-Black
Color achieved: Black
Patina Stains-All Colors

IRON & STEEL

CHOOSE:

Birchwood Technologies PC-9 Presto Black
Color achieved: Black
Black Magic
Color achieved: Rich Black
Darkening Patina
Color achieved: Transparent Brown
Slate Black
Color achieved: Brownish Black
Japanese Brown
Color achieved: Brown
Smart Stain-Brown
Color achieved: Brown
Smart Stain-Black
Color achieved: Black
Patina Stains-All Colors

ALUMINUM

CHOOSE:

Birchwood Technologies A-14 Black
Color achieved: Black
Slate Black
Color achieved: Deep Brown
Smart Stain-Brown
Color achieved: Brown
Smart Stain-Black
Color achieved: Black
Patina Stains-All Colors

STAINLESS STEEL

CHOOSE:

Slate Black
Color achieved: Red/Brown
Stainless Black
Color achieved: Black
Smart Stain-Brown
Color achieved: Brown
Smart Stain-Black
Color achieved: Black
Patina Stains-All Colors

STEP 3 - Seal the surface to protect the finish

Clear Guard
Ever-Clear
Metal Oil
Metal Wax
Smart Coat

STEP 1 - Metal Cleaning

The surface of the material you are working on should be clean and free of any dirt or grease. When working with iron, steel or aluminum you may want to remove rust and fire scale. The best method for cleaning most materials is to sandblast. Different types of blasting material may be used in order to keep the surface as you want it. Wire wheels or Scotch-Brite Pads are another method of cleaning.

Be careful not to leave any polishing compound on the surface. A good metal cleaner is a great way to get the surface ready to work on. Sometimes mild acids are used but often they can interfere with the patina process to come later. Sculpt Nouveau's Metal Cleaner/Degreaser is a great metal cleaner. It works on both ferrous and non-ferrous metals.

SUR08ZMDD
8 oz. Metal Cleaner and Degreaser
SUR32ZMDD
32 oz. Metal Cleaner and Degreaser
SUR01GMDD
1 gallon Metal Cleaner and Degreaser

Metal Cleaner Degreaser
Sculpt Nouveau's Metal Cleaner and Degreaser has been specially developed for the rapid and complete removal of rust, dirt, oil, and grease from most metal surfaces in preparation for finish applications.

This ready-to-use formula removes oxidation quickly and efficiently without leaving any residue or buildup that would prevent finish adhesion. Additionally, the Metal Cleaner and Degreaser contain corrosion inhibitors that protect the metal surface during cleaning.

The Metal Cleaner and Degreaser is not a polish and will remove the finish on polished and plated surfaces. It is available in 8 oz., 32 oz., and 1 gal. sizes. The 8 oz. and 32 oz. sizes include a spray top.

Instructions for Application on Bronze, Brass, and Copper:
(1) Apply the cleaner with a brush, sponge or rag.
(2) Let stand on the metal for approx. 5 minutes.
(3) Rub with a green or gray Scotch-Brite pad.
(4) Rinse with water.
(5) Repeat if necessary.
(6) Dry the surface.
(7) Apply the desired finish to the metal surface.

Instructions for Application on Iron, Steel, and Aluminum:
(1) Repeat steps above but dry quickly and thoroughly so rust does not begin to form. Do not clean your metal until just before you are ready to apply the patina.
(2) Apply your desired finish immediately to the clean metal. You must apply the patina as soon as possible and seal as soon as it is completely dry.

DO NOT USE ACETONE to clean your metal surface
The acetone leaves a residue on the surface so it will interfere with adhesion of the sealers and will alter the patina and/or cause it to not react properly.

STEP 2 - Apply the Appropriate Patina

There are two main categories of patina: 1) Those which contain acids; 2) Those which do not contain acids. This is important to know if you are wishing to patina iron, steel, or aluminum as acids will cause rust or oxidation.
Types of Patinas Sculpt Nouveau makes:
- **Traditional Patinas** - All contain acids
- **Smart Stains and Patina Stains** - Do not contain acids

Each type of patina is available in a range of colors. The colors may be mixed together within the group to form a different shade, except for the Traditional Patinas which may also be applied one over the other. The different types may be applied over each other or mottled around areas to make the patina more interesting.
Note: When layering the different patinas it's best to apply the types with acids first.
When working directly on metal, the most important factor in using Sculpt Nouveau's products successfully will be to have the surface of the metal clean. Sandblasting is the best way to achieve this. An orbital sander may be used on flat surfaces, although if this is not an option, Sculpt Nouveau Metal Cleaner is what we recommend.
When using a patina* from a group that does not contain acids, warming the metal is the best way to get them to adhere. Warming can be done by: (1) Putting the metal in the sun; (2) Using a heat gun or paint peeler; (3) Using a patina torch.
Sculpt Nouveau's patinas do not protect the metals from further natural changes once they have been applied. Also, most patinas will have a chalkiness, which will rub or rinse off. We recommend applying a clear sealer once the patina is finished.
*For Patina Stains, heat is not recommended. If the metal is too hot the patina may end up looking wrinkled.

Birchwood Technologies Patinas (cold application)
Birchwood Technologies makes different formulas for the different metals. For bronze, brass and copper there are choices of brown or black applied by spray, brush or immersion. There are separate formulas for iron, steel and aluminum.

The patina solution comes concentrated and is then diluted from 1 part distilled water to 1 part Birchwood Technologies to 3 parts of distilled water to 1 part Birchwood Technologies. Using the solution too strong will cause many problems.

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Birchwood Technologies M38 (left) and M24 (right) Patina applied hot to copper

M-38 Brown (FOR BRONZE, BRASS & COPPER)
BIR08ZM38
8 oz. Birchwood Technologies M38 Brown for Bronze, Brass, & Copper
BIR32ZM38
32 oz. Birchwood Technologies M38 Brown for Bronze, Brass, & Copper
BIR01GM38
1 gallon Birchwood Technologies M38 Brown for Bronze, Brass, & Copper

M-24 Black (FOR BRONZE, BRASS & COPPER)
BIR08ZM24
8 oz. Birchwood Technologies M24 Black for Bronze, Brass, & Copper
BIR32ZM24
32 oz. Birchwood Technologies M24 Black for Bronze, Brass, & Copper
BIR01GM24
1 gallon Birchwood Technologies M24 Black for Bronze, Brass, & Copper

PC-9 Presto Black (FOR IRON AND STEEL ONLY)
BIR08ZPC9
8 oz. Birchwood Technologies PC9 Black Patina for Iron & Steel
BIR32ZPC9
32 oz. Birchwood Technologies PC9 Black Patina for Iron & Steel
BIR01GPC9
1 gallon Birchwood Technologies PC9 Black Patina for Iron & Steel

A-14 Black (FOR ALUMINUM)
BIR08ZA14
8 oz. Birchwood Technologies A14 Black for Aluminum
BIR32ZA14
32 oz. Birchwood Technologies A14 Black for Aluminum
BIR01GA14
1 gallon Birchwood Technologies A14 Black for Aluminum

STEP 2 - Apply the Appropriate Patina *(continued)*

Black Magic Traditional Patina (cold application)
Black Magic Patina instantly creates a beautiful rich black patina on clean iron & steel. Rust will not occur immediately as with other darkening patinas. Water rinsing is a good neutralizer and will not cause rust. Rust will occur after 12 hours if a clear sealer is not applied.

Black Magic will darken bonded bronze, brass, and copper castings to an orange-black color. Black Magic creates a beautiful brown-black patina on cleaned bronze, brass, and copper.

TBK08ZMAG
8 oz. Black Magic Traditional Patina
TBK32ZMAG
32 oz. Black Magic Traditional Patina
TBK01GMAG
1 gallon Black Magic Traditional Patina

© Sculpt Nouveau

Black Magic Patina applied cold to cold rolled steel, then burnished with steel wool

Traditional Darkening Patina (cold application)
Darkening patina is great for aging or darkening metals.
This patina may also be used on bronze, brass and copper. It creates a beautiful brown color. This patina is oftentimes diluted with distilled water; otherwise the patina will be very dark. For a nice transparent brown, it may also be applied on iron and steel. Apply a clear sealer or wax after the patina is dry.

TBR08ZDAR
8 oz. Traditional Darkening Patina
TBR32ZDAR
32 oz. Traditional Darkening Patina
TBR01GDAR
1 gallon Traditional Darkening Patina

Slate Black Traditional Patina (cold or hot application)
Slate Black is a versatile and unique finish for use on iron, steel, stainless steel, aluminum, bronze, brass, or copper.

Applied hot, Slate Black will create a deep brown patina on aluminum and a red-green finish on stainless steel. On iron, steel, and nonferrous metals, Slate Black will form a black patina when applied cold.

Before applying this patina, sandblasting or sanding is required to clean the surface of oil, oxides, and residues. Slate Black may be applied as a spray or in an immersion process. Depending on the application method chosen, the results will range from a uniform solid color to a layered textured appearance. Slate Black Patina may be diluted up to 50% with distilled water depending on the desired strength of finish. The finish may be burnished wet or dry. Additional patinas can be layered over a Slate Black base. When dry, protect the finish with multiple coats of a clear sealer.

TBK08ZSLT
8 oz. Slate Black Traditional Patina
TBK32ZSLT
32 oz. Slate Black Traditional Patina
TBK01GSLT
1 gallon Slate Black Traditional Patina

© Sculpt Nouveau

Slate Black Patina applied hot to aluminum *Slate Black Patina applied hot to stainless steel*

STEP 2 - Apply the Appropriate Patina *(continued)*

Stainless Black Traditional Patina (cold application)
Stainless Black is made to create a black patina finish on stainless steel.
In order for this patina to react, you must remove the nickel and chrome from the surface before applying the patina.
Clean the metal surface before application. Sandblasting is the recommended method but you may also use an orbital sander with 80 to 120 grit sandpaper, or the metal can also be soaked in muriatic acid. Apply by spray or immersion. The solution may be diluted with distilled water but it is usually used full strength. The amount of dilution will depend on your metal and the color desired. A normal dilution range would be between 25% - 50%. Apply a clear sealer. Tinted clear stains are beautiful when applied over this patina.

TBK08ZSTA
8 oz. Stainless Black Traditional Patina
TBK32ZSTA
32 oz. Stainless Black Traditional Patina
TBK01GSTA
1 gallon Stainless Black Traditional Patina

© Sculpt Nouveau

Traditional Stainless Black Patina lightly sprayed on stainless steel

Japanese Brown Traditional Patina (cold or hot application)
This patina may also be used on bronze, brass and copper but is mainly used on iron and steel. If applied to bronze, brass or copper, a golden color will result. On iron and steel, a brown rust will form when applied cold. When applied to heated steel, a dark chocolate brown will form. Clean the metal surface before application. If the metal is smooth it will be a shinier patina. If the metal surface is sandblasted it will look more satin. Heat will darken the color as well as make it less mottled. Rinsing is not manditory. If you don't rinse, leave the patina alone for 24 hours before apply-ing a clear sealer. Do not use on aluminum, galvanized or stainless.

TBR08ZJBR
8 oz. Japanese Brown Traditional Patina
TBR32ZJBR
32 oz. Japanese Brown Traditional Patina
TBR01GJBR
1 gallon Japanese Brown Traditional Patina

© Sculpt Nouveau

Japanese Brown Patina applied hot to hot rolled steel

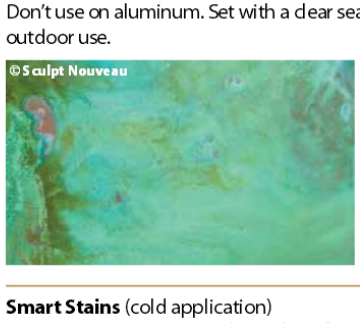
© Sculpt Nouveau

Japanese Brown applied cold on cold rolled steel. Sealed with Ever Clear two part acrylic urethane clear coat. Patina by Israel Garcia.

STEP 2 - Apply the Appropriate Patina *(continued)*

Tiffany Green Traditional Patina (cold application)
This is a beautiful stable green. It is an old formula developed by Tiffany for Tiffany lamp bases. If it is overlapped or applied heavily it may "pop off" and will tend to go a little blue. Tiffany Green tends to be slow to react, but worth the wait. Let it sit over-night to see the results.
Clean the metal first as with any other patina. Spray, brush, or sponge on the patina. Let the reaction work for 2 - 6 hours. Reapply if a deeper color is desired. No rinsing is necessary. If used on iron or steel, rust will occur. Don't use on aluminum. Set with a clear sealer when done. For indoor or outdoor use.

TGR08ZTGR
8 oz. Tiffany Green Traditional Patina
TGR32ZTGR
32 oz. Tiffany Green Traditional Patina
TGR01GTGR
1 gallon Tiffany Green Traditional Patina



Tiffany Green Patina applied cold to copper

Smart Stains (cold application)
Smart Stain is a strong, non-hazardous, fast drying patina system. It has no VOC's and no odor. Smart Stain contains UV inhibitors and will not fade outdoors if maintained properly. It will clean up with warm, sudsy water.
Smart Stain is very versatile. All colors are transparent and may be blended or layered onto any metal including iron, steel and aluminum. We recommend when applying Smart Stain onto a bare surface that the surface be oil-free and slightly roughed up. To alter or enhance the color, Smart Stain may be applied over another patina surface once dry.
Smart Stain is made by combining finely ground, naturally occurring colored oxides with a water base polymer/resin binder. It is sold concentrated and may be diluted with distilled water up to 25% to increase transparency. Only Smart Coat should be used to dilute any further.
Instructions for Application:
(1) Shake well.
(2) Clean surface of material and make sure it is completely dry before applying Smart Stain.
(3) Apply by spray, sponge, roller, or brush. Apply as many coats as needed to achieve the desired color. If applying over a patina, make sure the first layer of Smart Stain saturates the rust or patina. Allow 1 hour to fully cure between coats.

For exterior applications, Smart Stains should be sealed with three layers of Smart Coat, Clear Guard or Ever Clear. Maintenance requirements will vary by location. In most environments, regular application of Sculpt Nouveau's Metal Wax or Metal Oil, over the clear coat, is sufficient to maintain this finish.

SST08ZBRN
8 oz. Brown Smart Stain
SST32ZBRN
32 oz. Brown Smart Stain
SST01GBRN
1 gallon Brown Smart Stain

SST08ZBLK
8 oz. Black Smart Stain
SST32ZBLK
32 oz. Black Smart Stain
SST01GBLK
1 gallon Black Smart Stain

NOTE:
Smart Stains may be applied to warmed metal. Heat metal with a heat gun or torch up to 120°F. Apply by any method to achieve desired effect. Seal when dry.

STEP 2 - Apply the Appropriate Patina *(continued)*

Patina Stains (cold application)
Patina Stains are blended to match chemical or traditional patinas, but are easier to apply and manage. They are UV stable.
These stains may be sprayed, brushed, or rubbed on any metal. They may be thinned to produce a lighter shade. One gallon of Patina Stain covers approximately 300 sq/ft. For best results, over-spray with Clear Guard EF after application.
The stains are available in black, brown, brass, bronze, red, verde (copper green), yellow and rust for all metal surfaces. The standard environmentally friendly formula has low VOC, no solvent odor, and may be thinned with Clear Guard EF or Sculpt Nouveau Solvent Thinner.
Patina Stains are also available in 12oz. spray cans in every color. Spray cans are only shipped by ground.
Patina Stain Application Instructions:
(1) If working on non-patinated metal, clean the surface as needed. Examples would be: Wipe down with a clean cloth, sand or burnish with a Scotch-Brite pad. Clean with Sculpt Nouveau's Metal Cleaner.
(2) Make sure that the surface is completely dry by heating with a heat gun or patina torch.
(3) Applying with a sprayer will give the most consistent results. You may also apply with a brush or sponge.
(4) Let the Patina Stain cure a minimum of 2 hours and apply more coats if desired. You may also layer on different colors of Patina Stain.
(5) Apply as many coats as needed, making sure the first layer of stain saturates the rust or patina if this is on your surface.
(6) Apply 1-2 layers of clear finish. This will depend on your situation (indoor, outdoor, what type of metal - more layers of clear for ferrous metals).
(7) Apply clear or colored wax 24 hours after the last layer of clear sealer.

PSN08ZBLK
8 oz. Black Patina Stain
PSN12ZBLK
12 oz. Black Patina Stain in Aerosol Spray Can
PSN32ZBLK
32 oz. Black Patina Stain
PSN01GBLK
1 gallon Black Patina Stain

PSN08ZBRN
8 oz. Brown Patina Stain
PSN12ZBRN
12 oz. Brown Patina Stain in Aerosol Spray Can
PSN32ZBRN
32 oz. Brown Patina Stain
PSN01GBRN
1 gallon Brown Patina Stain

PSN08ZBRA
8 oz. Brass Patina Stain
PSN12ZBRA
12 oz. Brass Patina Stain in Aerosol Spray Can
PSN32ZBRA
32 oz. Brass Patina Stain
PSN01GBRA
1 gallon Brass Patina Stain

PSN08ZBRO
8 oz. Bronze Patina Stain
PSN12ZBRO
12 oz. Bronze Patina Stain in Aerosol Spray Can
PSN32ZBRO
32 oz. Bronze Patina Stain
PSN01GBRO
1 gallon Bronze Patina Stain

PSN08ZCOP
8 oz. Copper Patina Stain
PSN12ZCOP
12 oz. Copper Patina Stain in Aerosol Spray Can
PSN32ZCOP
32 oz. Copper Patina Stain
PSN01GCOP
1 gallon Copper Patina Stain

PSN08ZSIL
8 oz. Silver Patina Stain
PSN12ZSIL
12 oz. Silver Patina Stain in Aerosol Spray Can
PSN32ZSIL
32 oz. Silver Patina Stain
PSN01GSIL
1 gallon Silver Patina Stain

PSN08ZRED
8 oz. Red Patina Stain
PSN12ZRED
12 oz. Red Patina Stain in Aerosol Spray Can
PSN32ZRED
32 oz. Red Patina Stain
PSN01GRED
1 gallon Red Patina Stain

PSN08ZVER
8 oz. Verde Patina Stain
PSN12ZVER
12 oz. Verde Patina Stain in Aerosol Spray Can
PSN32ZVER
32 oz. Verde Patina Stain
PSN01GVER
1 gallon Verde Patina Stain

PSN08ZYEL
8 oz. Yellow Patina Stain
PSN12ZYEL
12 oz. Yellow Patina Stain in Aerosol Spray Can
PSN32ZYEL
32 oz. Yellow Patina Stain
PSN01GYEL
1 gallon Yellow Patina Stain

PSN08ZBLU
8 oz. Blue Patina Stain
PSN12ZBLU
12 oz. Blue Patina Stain in Aerosol Spray Can
PSN32ZBLU
32 oz. Blue Patina Stain
PSN01GBLU
1 gallon Blue Patina Stain

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STEP 3 - Apply a Protective Sealer

A protective Clear Sealer would be used to protect material from the environment or to set a finish. Iron, steel and aluminum need a protective coating to keep from oxidizing or rusting. A polished surface on bronze, brass, or copper will tarnish without protection. After achieving a patina or color on your material, the protective coating will help it last longer and help to keep it from changing. We suggest applying a clear coating in almost every instance. The best way to apply any brand of clear sealer is to spray it on. Spraying reduces bubbles and ridges formed by the brush, which help to break down the product faster. Small propellant applicators are available, made by Badger or Crown, if you do not have a compressor. Two or three light coats are preferable to one heavy coat, letting each dry before applying the next. No protective sealer will last forever. A regular maintenance program is needed and should be scheduled according to the individual conditions. Wax may be applied over the clear sealer to add even more protection.

Clear Guard (indoor use)
Clear Guard is a clear, durable, air drying lacquer that results in a hard, fast drying, and tarnish resistant film. It has excellent adhesion to bronze, brass, copper, and other metals as well as to patinas and rusted metal. Clear Guard is suitable for use with all types of application equipment including sprayers. Because of its unique chemistry, orange peel is virtually non-existent. Clear Guard is UV stable and highly resistant to weather, water, and chemical damage. It also resists marring and perspiration better than most solvent lacquers.
Handling/Mixing:
Loosen lid carefully. Container may be under slight pressure. Mix thoroughly before use. Use Sculpt Nouveau's Solvent Thinner to thin if necessary for your application - usually 20% - be careful not to over thin.
Application:
Apply 2 - 3 coats, making sure the first layer of lacquer saturates the rust or patina. If spraying, use a HVLP sprayer at approximately 20 psi with a 1.2 - 1.4 orifice tip. Allow 1 hour to dry between coats.

CGD08ZLQS
8 oz. Clear Guard Satin
CGD12ZLQS
12 oz. Aerosol Spray Satin
CGD32ZLQS
32 oz. Clear Guard Satin
CGD01GLQS
1 gallon Clear Guard Satin

CGD08ZLQM
8 oz. Clear Guard Matte
CGD12ZLQM
12 oz. Aerosol Spray Matte
CGD32ZLQM
32 oz. Clear Guard Matte
CGD01GLQM
1 gallon Clear Guard Matte

Smart Coat (indoor or outdoor use)
Smart Coat is a strong yet non-hazardous, zero VOC, no odor, one part, self hardening, non-yellowing, and non-cracking, top coat. Smart Coat 1K works well over patinas, rust-oxides, as well as all clean polished metals. It may be diluted with water to allow for a penetration of heavy oxides. The finish is beautiful, durable, and hard. Smart Coat 1K is a polymer/resin, yet dilutes and cleans up with water and is eco friendly. Smart Coat 1K tacks up and hardens quickly to a beautiful hard, thin coating that is fast drying.
Application Conditions:
90°F (32°C) and humidity is below 85% to ensure proper drying. This sealer is self leveling and may be brush applied. You may put the Smart Coat into your own sprayer (like a Crown, or Preval) or a HVLP sprayer. No dilution is necessary to spray apply. May be diluted up to 25% with distilled water. Avoid applying in very windy, dusty conditions. Cover surrounding area to protect from spray mist.

SCO08ZMAT
8 oz. Smart Coat 1K Matte
SCO32ZMAT
32 oz. Smart Coat 1K Matte
SCO01GMAT
1 gallon Smart Coat 1K Matte
SCO08ZSAT
8 oz. Smart Coat 1K Satin
SCO32ZSAT
32 oz. Smart Coat 1K Satin
SCO01GSAT
1 gallon Smart Coat 1K Satin

STEP 3 - Apply a Protective Sealer *(continued)*

Ever-Clear (indoor or outdoor use)
Ever-Clear is a clear, air drying two part urethane coating designed to provide the best and strongest protection for most surfaces and finishes. We have been able to reduce the VOCs and also improve the two part formula.
Ever Clear is not a water based formula. Use Sculpt Nouveau Solvent Thinner when reducing Ever Clear in order to keep the VOC level low. Ever Clear tacks up quickly and should be used for the difficult finishes such as counter-tops, fountains, or ocean environments. It works extremely well on all metals, wood, terracotta, ceramics, and concrete. Ever Clear provides unusually strong under-film tarnish protection. When deciding which two part clear coating to choose, Ever Clear would be the best in all circumstances as it will be compliant with the EPA, it is strong, clear, and has a fast tack time. Full cure time is 5 to 7 days.
Handling/Mixing:
Combine Sculpt Nouveau's Ever Clear Parts A and B at a 3:1 ratio. Thoroughly mix Part A first and then mix Part A with Part B for 10 minutes. It is important to mix thoroughly to fully blend the two parts. It is recommended before using coating to let it sit for 10 - 15 minutes in an opaque covered container. Allow the coating to adjust to room temperature (70°F– 85°F). Filter the Ever Clear with supplied 18 micron filter. Pot life is approximately 6 hours. Do not use after this amount of time.

ECL12ZSAT
12 oz. Aerosol Spray Ever Clear 2K Satin
ECL32ZSAT
32 oz. Ever Clear 2K Satin
ECL01GSAT
1 gallon Ever Clear 2K Satin

ECL12ZMAT
12 oz. Aerosol Spray Ever Clear 2K Matte
ECL32ZMAT
32 oz. Ever Clear 2K Matte
ECL01GMAT
1 gallon Ever Clear 2K Matte

ECL12ZGLS
12 oz. Aerosol Spray Ever Clear 2K Gloss
ECL32ZGLS
32 oz. Ever Clear 2K Gloss
ECL01GGLS
1 gallon Ever Clear 2K Gloss

ECL12ZSUG
12 oz. Aerosol Spray Ever Clear 2K Super Gloss
ECL32ZSUG
32 oz. Ever Clear 2K Super Gloss
ECL01GSUG
1 gallon Ever Clear 2K Super Gloss

Surface Prep
Surfaces to be coated must be sound, clean, dry and free from grease, oil and other contaminants. Do not use acetone or any solvent for any type of surface prep or treatment. To achieve good bonding and drying, the ideal ambient temperature should be between 50°F and 80°F and humidity below 50%.

Application:
Spray application is the preferred method, although brushing or flow coating may be used. If applying with a brush, use a high quality natural bristle brush. When using the matte formula, brushing is not advised. Any dust collected on the cleaned metal should be blown or wiped off with a clean cloth before coating is applied. Coating is applied in full coats. The second coat should be applied in about an hour. If you are unable to apply the second coat in a timely manner, you may lightly sand the first coat, so that the second coat will adhere. Take measures to minimize dust and debris falling on your coated products. Metal surfaces should be room temperature (70°F–85°F).

SPRAY: Thinning is not necessary, or recommended, when using spray equipment with Ever Clear. If thinning is desired, use up to 20% Sculpt Nouveau Solvent Thinner. For best results use a good quality HVLP sprayer. Make sure that the spray equipment is clean and at room temperature. Spray at the lowest possible psi so that it lays down lightly, usually about 20 psi with a 1.2 - 1.4 orifice tip.

DRYING TIME: The coating air dries to the touch in less than 1 hour – depending on room temperature and may be forced dried faster at 250°F. The coating air dries solid/hard film within 4 hours, depending on coating thickness, temperature, etc. **Full cure dry time will be 5-7 days.**

Ever-Clear two-part is packaged with detailed instructions and filters for mixing. One gallon typically covers 125 sq. ft. with the recommended 2 coats.

STEP 3 - Apply a Protective Sealer *(continued)*

Metal Oil (indoor or outdoor use)
Metal Oils can be used on all metals. They have UV & Corrosive Inhibitors. Apply only thin coats of the Metal Oil with a soft cloth, brush, or spray to the clean metal or dry patinated surface. Burnish lightly with a clean cloth. Allow 3 to 12 hours to dry. Apply two coats. The oil is best applied to a surface at moderate temperatures around 70° F. Allow oil to cure for 3-4 days and a clear top coat or wax may be applied over the dried oil. For indoor or outdoor use.

OIL08ZCLR
8 oz. Clear Metal Oil
OIL32ZCLR
32 oz. Clear Metal Oil
OIL01GCLR
1 gallon Clear Metal Oil

OIL08ZBLK
8 oz. Black Metal Oil
OIL32ZBLK
32 oz. Black Metal Oil
OIL01GBLK
1 gallon Black Metal Oil

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Brown Metal Oil applied to brass knob.

Metal Wax (indoor or outdoor use)
The finest quality waxes have been blended into a nonabrasive formula specifically to protect patinas and metal finishes. These waxes contain UV inhibitors and hardeners making them incredibly durable and long lasting on all types of metal.
General Tips:
These metal waxes can be applied to hot or cold surfaces. However, they should not be applied to extremely hot surfaces.
When applying, smooth down any ridges or bumps. Stippling with a brush may be the preferred method of application so as to not create streaking on the surface. Try not to let the clear wax fill up in any recessed areas as it may turn opaque when dry. Build up in recessed areas may be desirable with the colored waxes.
Burnish the finish when the wax is dry (usually 1-2 hours). The colored waxes generally take longer to dry. If you are applying the wax to a hot surface, let the surface cool down completely, then buff. Use a lint-free cloth (such as a microfiber cloth) to buff. Do not wait too long as the wax will become too hard to burnish.
Maintenance:
Lightly clean the surface every six months or as needed with a non-ionic soap like Ivory® Soap. Dry completely and reapply a new layer of wax with a brush. When dry, buff as before. If the wax is maintained regularly there is a good chance the clear sealer will last a long time.

MWX08ZCLR
8 oz. Clear Metal Wax
MWX32ZCLR
32 oz. Clear Metal Wax
MWX01GCLR
1 gallon Clear Metal Wax

MWX08ZBLK
8 oz. Black Metal Wax
MWX32ZBLK
32 oz. Black Metal Wax
MWX01GBLK
1 gallon Black Metal Wax

FAQs

What happens if the product freezes?
Nothing, just let the product thaw and mix well.

What is the shelf life on the products?
For the most part there is not a shelf life. Japanese Brown has a shelf life of one year if left unopened. Some other products such as the Metal Oil and Clear Coats (Matte) have to be stirred well because the ingredients settle.

What is the coverage per product?
Coverage for our patinas are approximately 1½ sq. ft per ounce, except for the black patinas. They may only give 1 sq. ft. per ounce because they have to be reapplied to achieve a deep coloration.
Birchwood Casey Patinas will usually give double this coverage because they work better if they are diluted up to 50% with distilled water.
Clear Coats coverage is 250 sq. ft. per gallon for one coat. For the recommended 2 coats, the coverage will be 125 sq. ft.
Patina Stains will cover 200 sq. ft. per gallon undiluted. Since they are usually diluted, the square footage will depend on the dilution rate.
Waxes and Oil will cover approximately 3 sq. ft. per ounce.

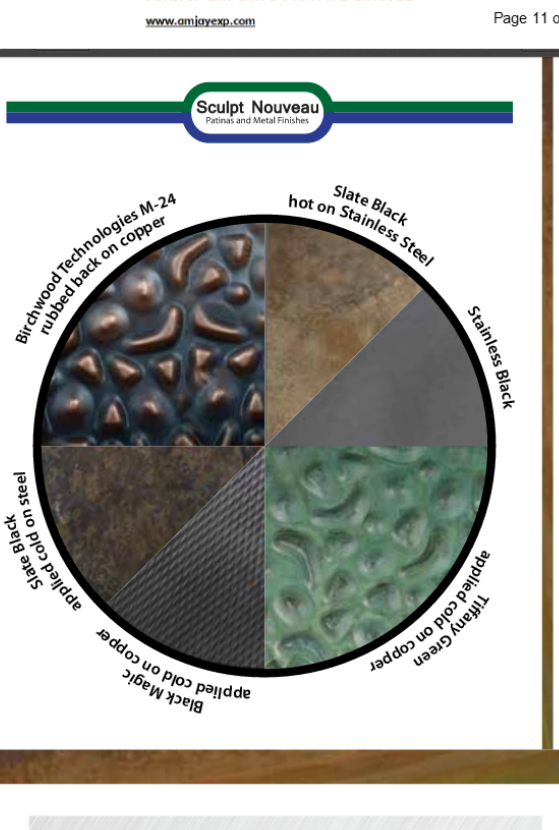
What is cold patina?
A process of applying patina chemical solutions directly to the unheated surface of the metal. "Cold Patina" is a term used for applying patinas without heating the metal. The best room or air temperature for these patinas is between 65° and 75°F. Often they involve cycles of applications involving layers of patina. The three basic techniques of applying the patina are to use a brush, sponge, or spray bottle. There are also some very interesting ancient techniques where the metal object is buried in substances soaked with the patina or wrapped in cloth soaked with a patina.
A characteristic of most cold patinas is that they are opaque.

What is hot patina?
This is the most widely used technique. The surface of the metal is heated with a torch to open its pores, usually to around 200°F, then the patina chemical solutions are applied with a brush or spray. As the metal cools, the patina is locked in. An easy test for the correct temperature is to sprinkle a few drops of distilled water from a spray bottle onto the hot metal surface. If the water sizzles it is the correct temperature. If the water runs off, the metal is too cold. If the water balls up, it is too hot. A characteristic of some hot patinas is that they are transparent. There are three ways the metal may be heated: 1) The most common method is using a propane torch with a 5-gallon propane bottle or using a torch with a gas/air mix used with an air compressor; 2) Using a hair dryer or a paint peeler; 3) Placing the object in the sun or oven.

How do I get the "oil rubbed bronze" look on steel?
The steel can be darkened first with Black Magic or PC9, then a brown and yellow Patina Stain applied over the top. Then sealed with Ever Clear.
A nice dark brown is formed by heating the metal first to 180°F to 220°F and applying Japanese Brown, then sealed with Ever Clear.
Here are some videos:
The leaf video shows mainly yellow and brown, but it would look more like the dark oil rubbed bronze if there is a black base first.
The aluminum video shows the blackening process, Patina Stain and Yellow Dye-Oxide process. The same process will be used on steel, except instead of using A-14, either Black Magic or PC9 would be used to blacken the steel.

Tiffany Green and Original Blue Patinas were sprayed on, then leaves were placed on the wet patinas. Then it was sprayed with patinas again. Then covered with plastic wrap and wrapped with masking tape to secure. It was uncovered after 2 days then sprayed with lacquer when dry.

Sculpt Nouveau
Patinas and Metal Finishes


Birchwood Technologies M-24 rubbed back on copper
Slate Black hot on Stainless Steel
Stainless Black
Tiffany Green applied cold on copper
Black Magic applied cold on copper
Slate Black applied cold on steel

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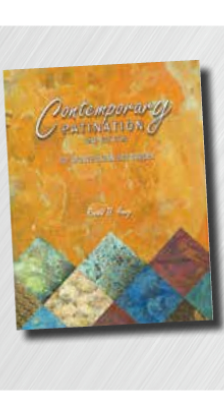


Contemporary Patination, 2nd edition, is a thorough recipe book of hot and cold patinas for bronze, brass and copper.
This is a valuable book for sculptors, architects, metal artists, jewelers, conservators, hobbyists and more.

SN PATINA BOOK

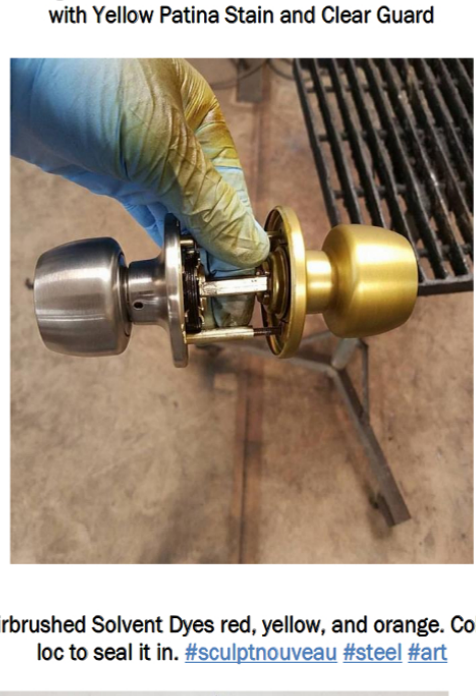
Solvent Thinner
Sculpt Nouveau Solvent Thinner has no VOC's and is a very effective replacement for Xylene. It may be used to thin all solvent products. For best results when spraying a solvent lacquer, thin with up to 20% Sculpt Nouveau Solvent Thinner. Wear gloves, goggles and protective clothing. Do not ingest.

STH08ZSTH
8 oz. Solvent Thinner
STH32ZSTH
32 oz. Solvent Thinner
STH01GSTH
Solvent Thinner

SOME ILLUSTRATIONS OF ARTWORK

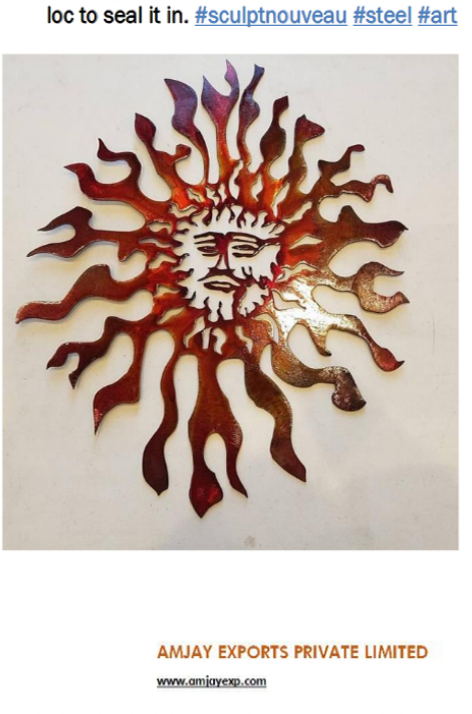
ABSTRACT
Here are some of the illustrations of Sculpt Nouveau applications which shall give an idea of unending imagination and magical artwork possible.

Turning aluminum door knobs into brass door knobs with Yellow Patina Stain and Clear Guard

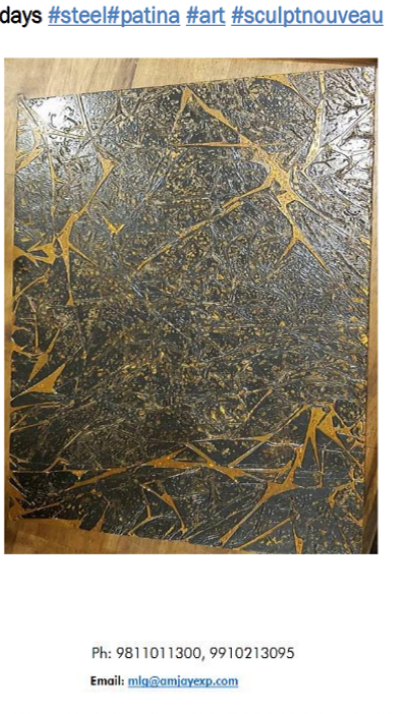


Black Magic on a steel rod with Bronze Metal Rub, video to come soon

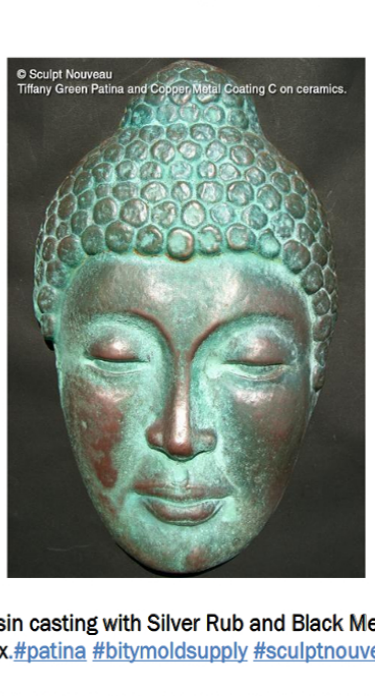
Airbrushed Solvent Dyes red, yellow, and orange. Color loc to seal it in. #sculptnouveau #steel #art



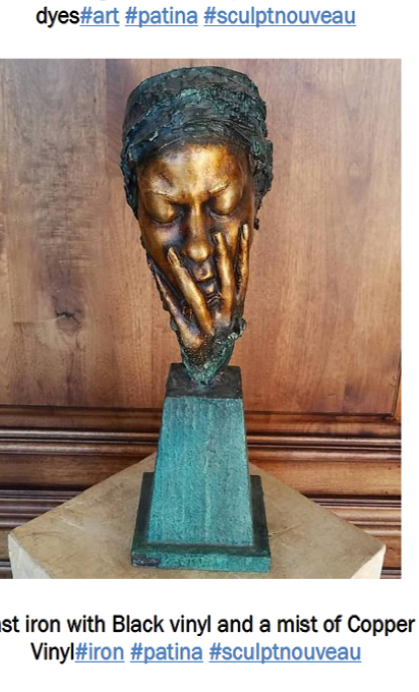
Japanese Brown plastic wrapped for 5 days #steel#patina #art #sculptnouveau



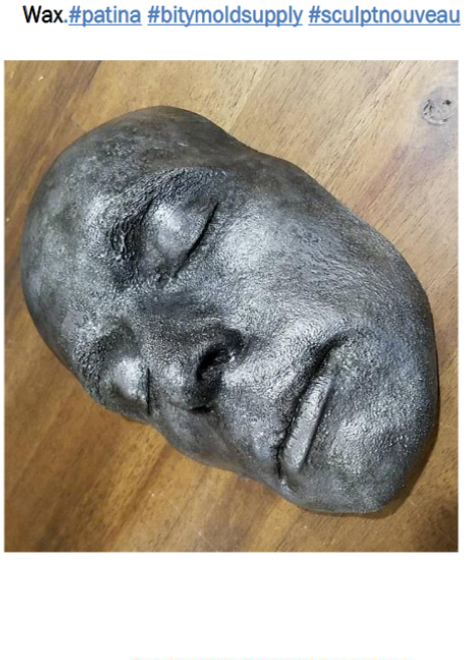
Tiffany Green Patina and copper coating on ceramics


© Sculpt Nouveau
Tiffany Green Patina and Copper Metal Coating C on ceramics.

Metal coatings, traditional patina, and solvent dyes#art #patina #sculptnouveau

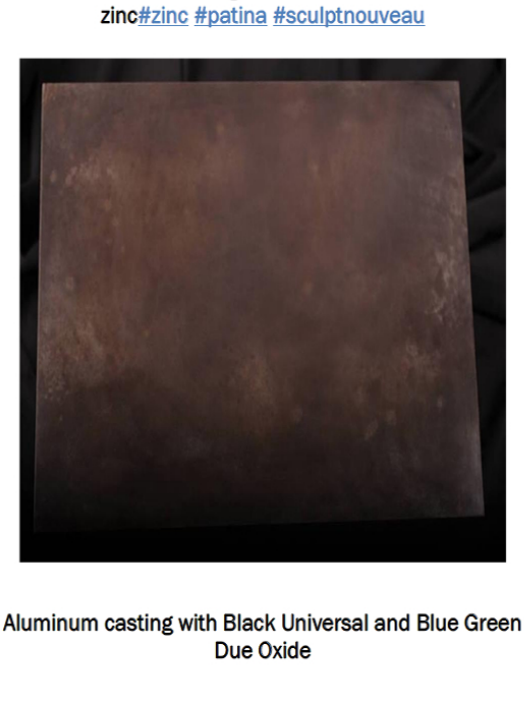


Resin casting with Silver Rub and Black Metal Wax.#patina #bitymoldsupply #sculptnouveau

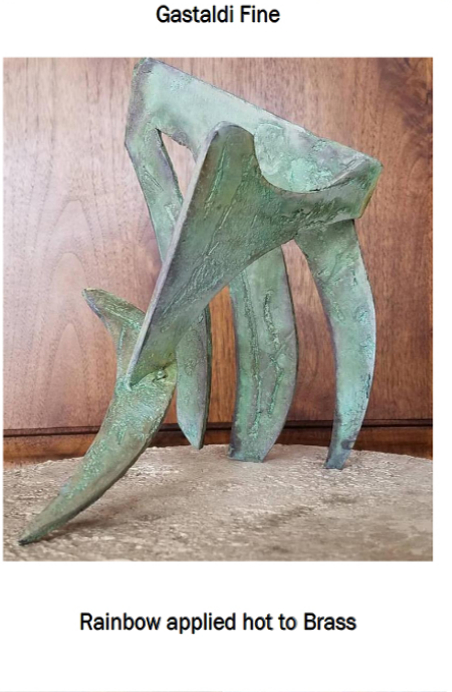


Cast iron with Black vinyl and a mist of Copper Vinyl#iron #patina #sculptnouveau

2 coats of Black Magic with clear metal oil over zinc#zinc #patina #sculptnouveau



Light Green Patina on a bronze sculpture made by Gastaldi Fine

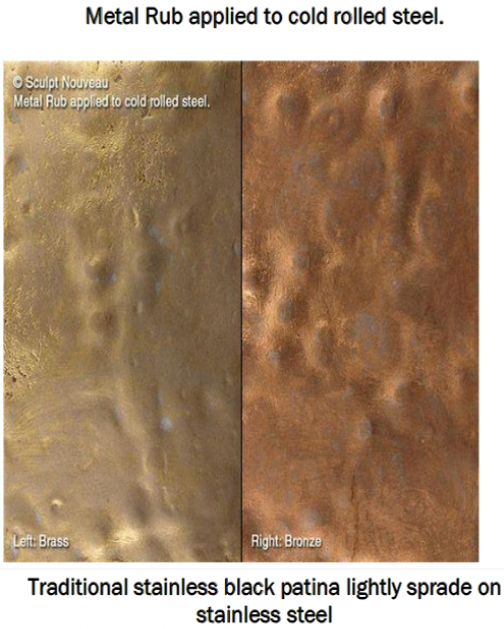


Aluminum casting with Black Universal and Blue Green Due Oxide

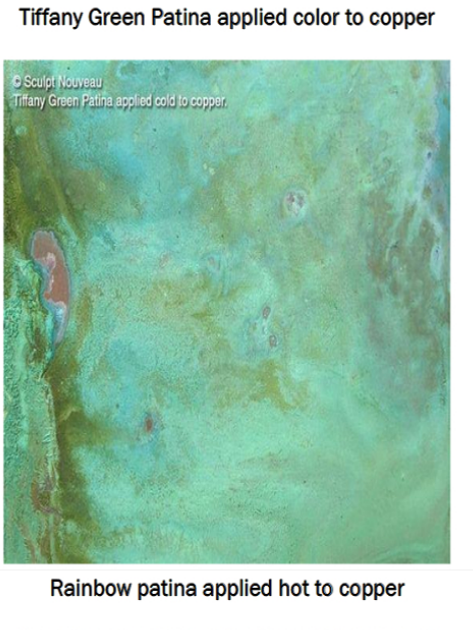
Rainbow applied hot to Brass

© Sculpt Nouveau
Rainbow Patina applied hot to brass.

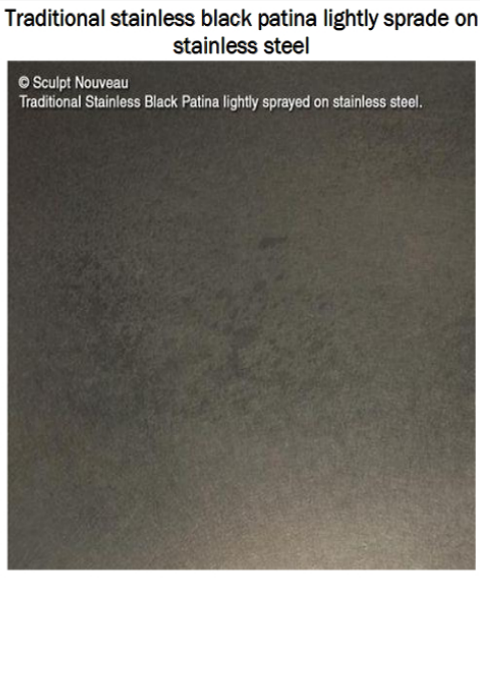
Metal Rub applied to cold rolled steel.



Tiffany Green Patina applied color to copper



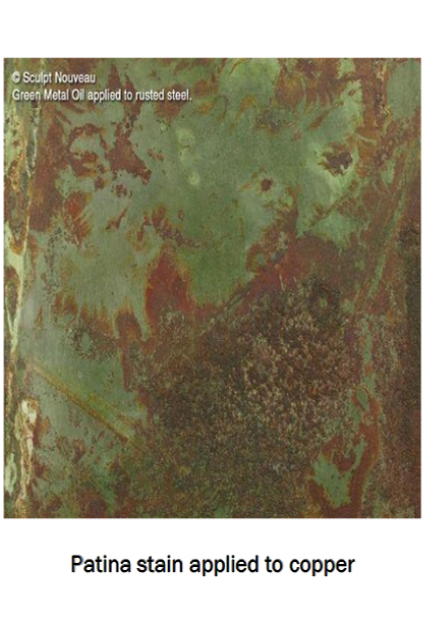
Traditional stainless black patina lightly sprade on stainless steel


© Sculpt Nouveau
Traditional Stainless Black Patina lightly sprayed on stainless steel.

Rainbow patina applied hot to copper

© Sculpt Nouveau
Rainbow Patina applied hot to copper

Green Metal Oil applied to rusted steel



Sculpt Nouveau Metal cleaner + copper Patina Stain over brass leaf and clear Guard Satin

Sculpt Nouveau
Sculpt Nouveau Metal Cleaner
Copper Patina Stain
Brass Leaf
Clear Guard Satin

Patina stain applied to copper

© Sculpt Nouveau
Patina Stain applied to copper.
L to R: Verde and Black, Verde and Brown, Verde and Brown, Brown.

Metal Rub and finishing wax applied to iron

© Sculpt Nouveau
Metal Rub and Finishing Wax applied to iron.
Clockwise from top (wax applied to right half of each): Brass Rub and Brown Wax, Copper Rub and Green Wax, Bronze Rub and Black Wax.

Traditional patinas using the wrap technique over copper and clear coated with Clear Guard

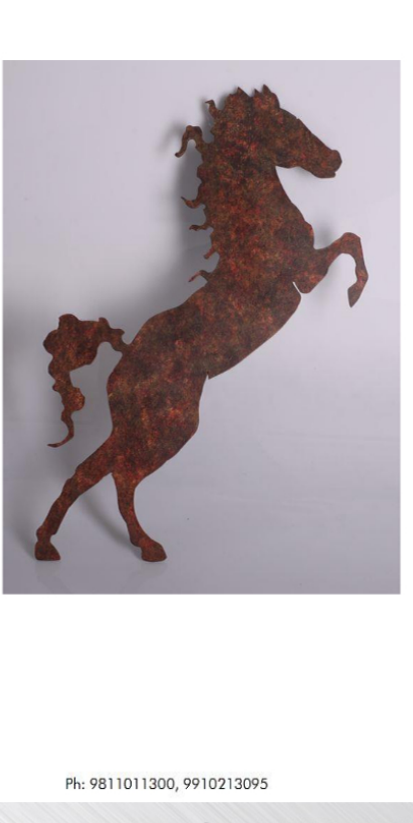
© Sculpt Nouveau
Ferric Nitrate/Ferric Chloride Patina applied hot to copper.

Green wax and Red and yellow solvent dyes applied to hot rolled steel

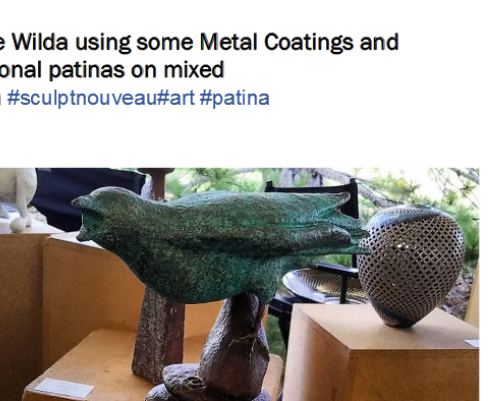
© Sculpt Nouveau
Green Wax and Red and Yellow Solvent Dyes applied to hot rolled steel.

Black magic patina applied cold rolled steel,then burnished with steel wool.

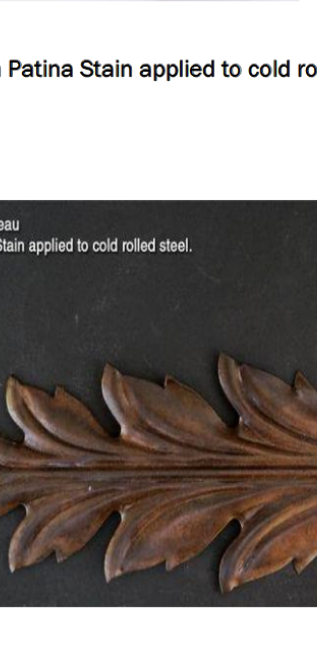
© Sculpt Nouveau
Black Magic Patina applied cold to cold rolled steel, then burnished with steel wool.



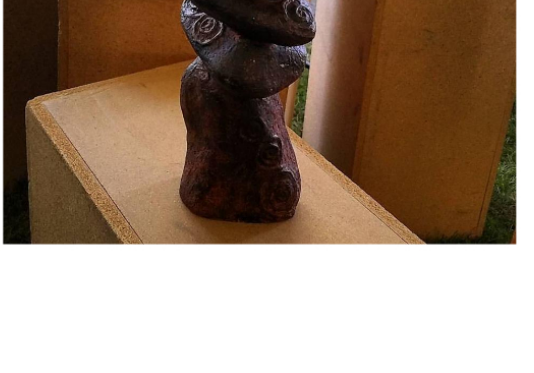
Sculpt Nouveau saved to Metal Finishes
Ferric Nitrate, Tan, Black Dye Oxide, and Verde Patina Stain over cast iron.



Yellow, Brown, and Black Patina Stains over cast iron



Deidre Wilda using some Metal Coatings and traditional patinas on mixed media #sculptnouveau#art #patina



Brown Patina Stain applied to cold rolled steel

© Sculpt Nouveau
Brown Patina Stain applied to cold rolled steel.