

TECHNICAL PRODUCT GUIDE



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GRAPHITE LINE Pencils & Crayons

Caran d'Ache has been producing graphite pencils and graphite drawing products since 1924. In fact, we invented the mechanical clutch pencil. Caran d'Ache is known throughout the world of artists, architects, engineers, designers and illustrators for manufacturing the most consistently smooth graphite drawing pencils and other graphite artist products.

The Caran d'Ache Graphite Line products are made with only the purest grades of graphite. This graphite is 99% pure and mined in Sri Lanka, Zimbabwe and Germany. The graphite from these countries are naturally formed in varying shapes and sizes producing an intense bond resulting in a strong core that doesn't break when you sharpen it or when you apply pressure while drawing. Many manufacturers use Mexican graphite, which is only 80% pure.

The clay used to produce the Caran d'Ache Graphite Line is called Montmorillonite Clay. It was first discovered in France, but today it is mined throughout Northwestern Europe. It was originally used as a lubricant when drilling for oil and natural gas. Because of its greasy lubricating quality, it enables the graphite to literally glide across the paper. The clay is prepared by making a mud like mixture, first dispersed in water for 3 hours, then through a centrifuged filter to eliminate sand and quartz particles and other impurities which, if not eliminated can cause "hard



areas" in the graphite core. The chemist then analyzes the muddy clay mixture to determine the correct quantity of the graphite to be added for the specific grade of hardness being produced. For each product range, **GRAFWOOD, TECHNOGRAPH, TECHNALO, GRAFCUBE** and **GRAFSTONE**, at least two different types of graphite are added, with different granulometry (type of graphite, plus the various sizes and shapes). The benefit of blending the different types of graphite is to make the cores more resistant to breakage. The graphite and clay mixture is then filtered and turned into cakes. The cakes are then mixed for several hours and ground a minimum of six times on rolling mills and then dried in the next stage of production. This is the reason why Caran d'Ache graphite products are much smoother and homogeneous than competitors. The graphite and clay paste is then extruded into cores and baked at 100° Celsius (212° Fahrenheit), cooled and then fired at 1000°C (1832° Fahrenheit) to dry the moisture and produce a finished product.





The various core hardnesses are extruded to varying diameters depending on their hardness. The reason is that the harder H through 4H cores are designed to be thinner for easy sharpening and to product clean crisp lines. The softer cores 9B through HB are designed to be thicker to create blacker lines and offer more gradations of black creating values for shading and effects.

The final and most important step is to soak all of the cores in a bath of molten waxes for 24 hours. We change the ratios of the different waxes for each batch. This is to precisely adjust the gradation, and it is the reason why our graphite is so consistent with each hardness. From each batch a sample of 200 cores is inspected under a microscope for cracks and homogeneity. Many more tests are conducted at various stages of production to ensure uniformity. Finally the diameter is checked and tested for resistance to breakage. Each production batch of leads are identified, labeled and production dates are recorded for quality purposes.

The cedar used to manufacture our

woodcase pencils, is grade 1 California cedar. Our cedar is purchased from FSC (Forest Stewardship Council) approved forests, lumberyards and mills.

The California Cedar is easily fabricated and features straight smooth grain, which is resistant to warping. The graphite cores are glued the entire diameter and length of the finished pencil. This attention to detail produces a high quality, break-resistant pencil that is easy to sharpen and lasts longer than competitive brands.

Many pencil manufacturers use a composite of plastics and sawdust to replicate the cedar woodcase. Other brands harvest their wood from various third world locations where clear cutting forests is still being practiced.



GRAPHITE LINE Pencils & Crayons

GRAFWOOD is an 8-ply graphite pencil available in 15 gradations (4H – 9B). The diameter of the Grafwood cores varies. The harder grades have thinner cores for fine lines and the softer grades are thicker for sketching and shading.

Generally, when you buy a Grafwood pencil you're getting 25% more materials than with a traditional pencil. Grafwood pencils have a maximum diameter of 8.20 mm. Our 9B pencil offers the consumer the softest and blackest graphite on the market. When an artist begins using the full range of Caran d'Ache graphite gradations they quickly learn to appreciate the silky smooth texture.

TECHNOGRAPH

The Technograph pencil is a 10-ply graphite pencil available in twelve gradations. The leads have a slightly thinner diameter in some gradations for those who prefer a finer line.

TECHNALO

Technalo is a water-soluble graphite pencil available in three gradations HB, B & 3B. Beautiful washes can be achieved with this amazing pencil and a paintbrush.

BLENDING STUMP

The Caran d'Ache blending stump is designed to be durable and long lasting. The high quality paper and dense construction allow the stumps to be sharpened and sanded to shape.

GRAFSTONE

The pure graphite woodless pencils are available in three gradations HB, 3B & 6B. Grafstone is also good for filling in large surfaces.

CHARCOAL PENCILS

This is an intense soft black charcoal pencil, ideal for line drawing and graded effects.

GRAFCUBES

Grafcubes are available in three gradations (3B, 6B & 9B) and in two diameter sizes (10 mm and 15 mm). These are ideal for big format drawings. Use the flat surface for large stripes and the edges for thin stripes. These can also be used obliquely across their entire length or flat. Beautiful, rich, dark surfaces can be obtained with the 9B, plus there is always a sharp edge available for fine details.

SOFT NATURAL CHARCOAL

100% natural vine charcoal is available in tubes of three. They are ideal for a broad spectrum of artistic applications. Use for obtaining the most sensual grey and black tones.

METAL BOXES

Caran d'Ache metal boxes are perfect for the student or professional artist who wishes to purchase the finest products and save money by creating a custom art set with only the items they desired.



Dry Hard Pastels, Charcoal & Graphite



ART By CARAN D'ACHE

Dry Hard Pastels, Charcoal & Graphite

ART By CARAN D'ACHE is an assortment of top quality dry hard pastels, graphite pencils and charcoals that meet the requirements of student and professional artists. These are wonderfully creative drawing tools for portraits and figure drawing sketch techniques and a fine selection of warm browns.

Technical

Ideal for all artist rendering sketches, figure drawings and portraits.

- The hard dry pastels are parallelepipeds, a shape that lets the user draw crisp marks with the edges of the crayon.
- The colors can be graduated, shaded off, blended out or applied over large areas.
- Ideal for use on dark papers.

TIP: Due to the fragility of the dry hard pastel crayons and charcoal sticks we recommend sharpening with sandpaper.

Product features

- Non-allergenic: Contains no gluten, peanut or wheat based fillers
- Composed of natural and synthetic iron oxides
- Lightfastness: Very good
- Color strength: Excellent
- Opacity: Very good
- Compactness: Very good

- Color consistency: Very good
- Washability: Very good
- Impact strength: Fragile
- Heat resistance: Very good
- Shelf life/durability: Unlimited in normal storage conditions

Product Descriptions:

- Dry Hard Pastel crayons: 6mm square x 82mm length
- **TECHNALO** water-soluble pencils: HB, B, 3B. Hexagonal barrel is 6.9 mm diameter x 175mm length. Lead diameter is 3.8 mm
- **GRAFSTONE** woodless graphite pencil: HB, 3B, 6B. Round barrel is 6.9 mm diameter x 175 mm length
- Soft Charcoal pencil: Round barrel is 6.9 mm diameter x 175 mm length
- Soft White Pastel pencil: Round barrel is 6.9 mm diameter x 175 mm length. Lead diameter is 3.8 mm
- **NEOCOLOR I** crayons: 1 black, 1 white Round barrel is 8 mm dia x 52 mm length
- Natural charcoal sticks: 125 mm length with various diameters
- Blender stump: 140 mm length
- All metal pencil sharpener
- Kneadable eraser



SKETCHER NON-PHOTO BLUE PENCILS



What's a **SKETCHER** Non-Photo **Blue** Pencil?

- It's an art pencil used for rough sketches by cartoonists, comic-strip artists, film animators, illustrators and graphic designers.
- It's a unique blue color that disappears when reproduced in a photocopy.
- It's easily erasable.

Caran d'Ache was asked to produce a Non-Photo Pencil by animators that were dissatisfied with the competitive pencils. Previously, available brands either appeared when copied, were too waxy resisting pen & ink, or they weren't erasable.

The Caran d'Ache Sketcher Pencil was designed to overcome all three issues. In addition, the Caran d'Ache Sketcher is a high quality artist grade 6B sketching pencil that covers several times the surface of competing brands due to its high concentration of Swiss and German pigments. The Sketcher Pencil is made with FSC (Forest Stewardship Council) Grade 1 California straight grain cedar and the cores are glued over the entire length of the pencil, so that the core is break-resistant and never falls out during sharpening. The water-based varnish on the barrel of the pencil is non-toxic and biodegradable. A high quality eraser is attached to each pencil, and the color shade of blue is visible to many people who are color blind.

The Caran d'Ache Sketcher Non-Photo pencil can be manipulated with software programs used by many of today's graphic artists, animators and cartoonists.

The ideal sketching tool for artists, cartoonist, film animators, architects, illustrators and designers

Draw a rough sketch using the Sketcher pencil.



Now erase a small area. It doesn't smudge.



Then ink over the basic drawing. Notice the soft lead is not waxy.



When the drawing is scanned or photo reproduced the blue lines disappear!



The coloring process can now be completed over the blue line sketch or over a newly printed drawing from the photocopied image.



Sold as two SKETCHER pencils per blistercard



Caran d'Ache offers an exceptional range of 168 dry pastels: **84 PASTEL PENCILS and 84 PASTEL CUBES** in identical colors. This new generation of dry pastels is the result of more than two years of research in the company's Geneva workshops. Both the PASTEL PENCILS and CUBES have been developed to the rigorous standards of the "Swiss Made" label.

The story of Caran d'Ache PASTEL PENCILS + CUBES:

Caran d'Ache has created the largest palette of dry pastels in two complementary mediums. The introduction of PASTEL PENCILS + CUBES is a natural step in the company's long involvement in the world of artistic colors. For 60 years its engineers and craftsmen have carefully developed a body of color expertise, producing an array of pastels for the widest range of techniques and applications. The first NEOCOLOR® I wax pastel was launched in 1952 followed by NEOCOLOR® II, NEOPASTEL® oil pastels, ART BY CARAN d'ACHE, SOFTPASTEL and in 2012 the dry pastel pencils and cubes. Caran d'Ache is one of the very few companies today that offer wax, oil and dry pastels.

Each of the 84 shades offered in PASTEL PENCILS + CUBES has been specifically formulated for exacting color matching requirements. Many of the colors are the result of more than six months of development to achieve the perfect combination of smoothness and strength. To achieve such a high level of color smoothness, texture and consistency,



Caran d'Ache has been relentless about setting the standard for the purity of the raw materials used. The raw color paste is worked by hand and fed into round or square moulding dies to form either pencils cores or cubes. The PASTEL PENCIL cores are oven-dried, while the PASTEL CUBES are allowed to dry at room temperature over several days.

The pencil cores are then carefully glued between two strips of the finest California cedar wood and cut into lengths to produce several pencils. Four coats of clear varnish are applied to each pencil and dried before the matching color cap is applied. The color cap is the exact shade of the pencil core. The final stage is to trim the pencil end in a double-cone sharpening process, a particularly delicate operation for a pastel pencil.

PASTEL PENCIL + CUBE sets are available in the 4 themed assortments:



PASTEL PENCILS + CUBES



The CARAN d'ACHE **PASTEL PENCILS & CUBES** product line offers a full range of 84 shades. Together they form the largest color range ever produced in two complementary pastel medias. The pastel artist now has the widest choice of color possibilities, techniques and effects.

Product description:

PASTEL PENCILS + CUBES:

- Wide color range with 84 rich and vibrant colors
- Powdery texture produces generous shading and blending effects
- Purity of color shades with a high concentration of ultra-fine pigments
- Exceptional lightfastness (standard Blue Wool scale)
- Conforms to ASTM D 4336 (AP for USA only)

Characteristics of the PASTEL PENCIL:

1. Lead diameter: 4.7 mm. Strong point, rich texture that adheres to most surfaces, creamy texture and shades easily. Recommend sharpening with sharp blade.
2. Hexagonal rounded shape, easy to hold, reduces risk of rolling off work surface
3. Highest quality California cedar wood
4. Matte color cap matches the lead color, four coats of clear varnish to protect the natural finish of the pencil
5. Color Identification number is on each pencil
6. Lightfastness indicator ***** (Blue Wool Scale)

Characteristics of the PASTEL CUBE :

1. Dimensions: 6 mm x 83 mm
2. Soft texture enhances shading and blending qualities
3. Easy to handle. Use the long flat edges for covering large areas or the fine edges for detail work
4. The color identification number is on each pastel cube
5. Available in fourteen color sets





LUMINANCE 6901

Archival Color Pencils

Why purchase an archival quality color pencil? Archival quality color pencils are becoming increasingly important to professional artists. Color pencil artists are finally getting more recognition and now commanding higher prices for their artwork. The Color Pencil Society of America (CPSA) and independent artists have been searching for and requesting manufacturers to produce higher grade color pencils with excellent lightfastness that conform to a general international standard.

Caran d'Ache has achieved this without sacrificing any of the other qualities that constitute a great color pencil. In fact, Luminance 6901 has many characteristics that distinguish it as a fine art color pencil.

Lightfastness

Luminance 6901 was developed over the course of two years by Eric Vitus and the research and development team at Caran d'Ache. It has the same lightfastness as a high grade oil paint. The Luminance 6901 pencils conform to ASTM D-6901. 80% of these pencils are rated LF1 and 20% are



rated LF2. To qualify for ASTM D-6901, the Luminance 6901 was tested for three months in the Arizona desert as well as 400 hours under intense UV lights in an independent lab in Florida. This level of lightfastness was achieved by using the finest pigments and four synthetic waxes (30%). These waxes are added early in the pasteurization process to achieve perfect blending with the pigment mixture. This process inhibits waxy blooming in final pencils.

Texture

As a result of the even disbursement of wax, Luminance color pencils lay down on paper with a creamy feel that makes them an absolute pleasure to draw with. The texture of Luminance 6901 is very uniform from one color to another. With other brands one color is soft and the next color is brittle. In fact, some are so brittle, that you can barely get a point on them without breaking the color core.



LUMINANCE 6901 Color Pencils

Wax Bloom

Another advantage to the Luminance 6901 is that there is no bloom effect. Other brands of lightfast permanent color pencils can leave a white waxy residue (blooming), which appears after only a few weeks.

This is not a problem with the Luminance 6901. In fact you can apply up to 6 layers of color with absolutely no risk of blooming.

Unique Color Palette

The Luminance 6901 color pencils were developed independent of past formulas and competitive brands to offer a unique and brilliant color range.

Other Characteristics

Luminance 6901 can also be applied over Pablo and Supracolor Soft color pencils to enhance their lightfastness. Luminance 6901 can be blended with a white silicon eraser or the new Caran d'Ache Full Blender Bright pencils (see page 28). Please note that Luminance does not replace Pablo and Supracolor Soft. Pablo is slightly harder and is still the best pencil for detailed work and crosshatching. Museum Aquarelle and Supracolor Soft are great for adding washes. All four of these pencils can be used together to achieve an unlimited combination of effects.

Who should use Luminance 6901?

Artists, illustrators and creative professionals who require smooth permanent color pencils.

Approved By:

- Luminance 6901 is in compliance with ASTM D-6901, the highest international standard.
- Conforms to ASTM D-4236 and is labeled with the AP seal and approved for use in US schools.
- Certified FSC Forest Stewardship Council Cert. No. SQS-COC-22674, www.fsc.org

Product Description:

- Available color assortments 16, 38 & 76. All 76 colors are available in 3 pc open stock tubes
- Round barrel is 9.0 mm dia. x 175 mm length
- Lead diameter is 3.8 mm, except gold, silver & bronze which are 3.0 mm
- Brand, color name, reference number & lightfastness rating are printed on each pencil barrel
- Pencil cap color matches lead
- Barrel is made with California cedar
- Best sharpening angle: 25 degrees





MUSEUM AQUARELLE:

An innovative approach to watercolors

Caran d'Ache is always searching for technical innovations and once again it demonstrates its "Swiss Made" expertise in developing color art materials. It has combined a high concentration of extra-fine pigments with excellent water-solubility to create MUSEUM AQUARELLE watercolors in pencil form.

Caran d'Ache now offers a new innovation to the art of watercolor painting. The new MUSEUM AQUARELLE line features unmatched water-solubility, high pigment density, bright vibrant colors and outstanding lightfastness. It is the top of the line offering extra-fine quality pencils that are perfectly suited to watercolor painting and artistic drawing.

Discover the wonder of MUSEUM AQUARELLE and you'll never look at watercolors in the same way again!

- Soft, extra-fine, watercolor in pencil form
- 100% water-soluble, immediate effect, optimal transparency with no veiled effect
- High pigment density, brilliant and vibrant colors
- Exceptional lightfastness; color can be applied wet or dry



MUSEUM AQUARELLE pencils are available in three assortments. Each assortment is presented in a new contemporary style package which is designed to protect each pencil firmly in a high-density foam tray.

- The "Introduction" box of 12 pencils is an assortment based on the Adolf Hölzel Double-Primary System.
- The "Marine" assortment contains 20 warm and cool colors that are ideal for capturing the complex shades of a seascape.
- The "Landscape" assortment is a 20 pencil color selection for creating beautiful landscape drawings.
- All 76 colors are available in wooden gift set and open stock



MUSEUM AQUARELLE Watercolor Pencils



Product technical description:

- **Introduction** assortment of 12 colors
 - Standard colors based on the Adolf Hölzel's Double-Primary System.
 - Primary colors are represented by two shades for each in order to obtain the best result for color-mixing
 - All mixtures, dry or watercolor, are possible with this basic palette
 - 5 of 12 colors are mono pigmentary, 11 of 12 have a lightfastness rating of five stars ***** (Blue Wool Scale)

- **Landscape** themed assortment of 20 colors
 - An assortment that is the favorite topic of many watercolor artists. This assortment offers the 20 essential colors of warm and cool tints to process different aspects for the landscape representation.

- **Marine** themed assortment of 20 colors
 - An assortment that offers the color for creating beautiful seascapes. 20 essential colors with warm and cool tints to treat the different representation for any water theme.

Pencils characteristics:

- The extra-fine quality of Museum Aquarelle color pencils make them perfect for all the requirements of watercolor painting and artistic drawing.
 - Very high pigment concentration
 - 45 brilliant and vibrant colors
 - Exceptional lightfastness (Blue Wool Scale)
- All pencils have a 3 star *** to 5 star ***** rating.
- Lead: soft, Ø 3.8 mm, strong point
 - Pencil: hexagonal shape, 8-plys, top-quality cedar wood, easy sharpening, color cap matches the lead color, imprinted identification number, star rating and EAN bar code.
 - 100% water-soluble immediately, low powdering, optimal transparency with no veiled effect
 - Techniques: watercolor, washes, crosshatching, graded applications, unlimited blending possibilities, mixed media

Use for dry or wet drawing on all supports, paper, cardboard, canvas, etc...



6 primary colors to create secondary & tertiary: 2 yellow, 2 red, 2 blue



6 other colors for green, earth and gray tones

- Blue-violet for sky & water 662, 159, 131
- Red-orange for flowers 030, 070, 599, 240
- Green for fields & forest 015, 470, 245, 039, 229
- Brown for land & rocks 049, 065, 077, 036, 039, 902
- Bright colors for light 001, 240
- Gray-black for shading 808, 009
- Blue-green for azure water 214, 182, 212, 171
- Blue for deep water 640, 660, 670
- Light colors for foam & reflections 001, 240, 242
- Gray-brown for shading 049, 496, 507
- Light blue for sky, 661, 161
- Red & orange for sunrise & sunset 850, 060, 630
- Dark blue-green for agitated waves 739, 149





MUSEUM Watercolor Sets

Unique watercolor sets that include all you need for a day of plenair watercolor sketching, just add artist paper and water.

- Museum uses a spectrum color system with double primary colors for enhanced blending effects.
- 18 colors - 3.8 mm watercolor leads for use with FIXPENCIL clutch pencils, available in both sets and open stock.
- Accessories in large set include 3 FIXPENCIL clutch pencils with sharpener in cap, 2 water-soluble graphite cores, 10 ml tube of extra fine white gouache, squirrel hair brush, glass tube, mixing pan and DESIGN eraser.
- Accessories in small set include 1 FIXPENCIL with sharpener in cap
- Excellent lightfastness for watercolors
- Water-solubility is nearly instant and total
- Extremely high pigment content for exceptional brilliance
- Colors 240, 530, 350, 070, 640 & 670 make up a double primary system that can be mixed to produce a wide range of shades.
- Sharpening can be done with either the sharpener in the cap of the FIXPENCIL or with sandpaper. Very low powdering colors are erasable once dry with a polymer eraser.



Techniques

- Applying a wet brush directly onto a sketch.
- Apply a dry museum lead on to a wet surface and sketch.
- Using a paintbrush to pick up the color directly off of the color core.
- Use a piece of paper as a paint pallet and blend your colors with a wet brush.
- Museum watercolors are easily mopped off of wet surfaces. Due to very slow re-absorption rates, Museum colors can be overlaid to create unique shapes and shading effects.
- Once allowed to completely dry, they become nearly permanent. This allows color overlays to be done with almost no bleeding. They react similar to tube watercolors.



MUSEUM Watercolor Sets



Crosshatching - Can be done with all colors including the water-soluble graphite cores

Grading – Can be done by mixing or superimposing colors in layers

Pointillism – Build up shades and colors by creating a dense cluster of dots

Frottage – Place a sheet of paper over a structured surface and apply color to bring out the underlying surface

Support materials

Drawing paper, watercolor paper, cardboard, canvas and decorative papers

Caran d'Ache or Blair Spray Fixative is recommended on finished artwork to preserve the color and protect it from oily hands, moisture, mildew and dirt.

Approved By:

- Museum conforms to ASTM D-4236 and is labeled with the AP seal and approved for use in US schools.

Product Description:

- Cores are available in 18 colors included in both assortments and open stock
- FIXPENCIL (clutch pencil) holds up to 4.0 mm dia x 155 mm length color or graphite cores, push-button cap contains the sharpener
- Large set contains the following accessories: No.12 squirrel hair brush, tube of white gouache, eraser, glass tube and mixing pan

- Cores: Round, 120 mm length, 3.8 mm diameter
- Composition: Pigments, natural mineral fillers, binders, additives
- Strength: Good breaking resistance
- Solubility: Instantly and totally
- Lightfastness: Good to excellent (3*** to 5***** stars)
- Color strength: High pigment content, exceptional brilliance
- Sharpening: Good (use sharpener or sand paper)
- Powdering: Very low
- Color consistency: Very good
- Marking: CARAN d'ACHE, Swiss made, Museum 3500, color number, lightfastness indicated by number of stars
- Erasing: Preferably with a polymer eraser or a light abrasive
- Storage: Unlimited under normal storage conditions





NEOPASTEL

Oil Pastels

Color rich oil pastels for the professional artist and advanced art student.

- Intense uniform colors are turpentine soluble, creating unlimited color blending possibilities.
- 96 colors are available in sets and open stock.
- Surface coverage is excellent making them very economical to use.
- Opacity and lightfastness are excellent.
- Oil pastels never dry out or crack when the surfaces expand or shrink with climatic changes.
- Because oil pastels never dry out they must be placed under glass or sprayed with a high quality fixative.

Techniques

Mixed water and oil techniques achieve stunning effects by combining with Neocolor II, Neoart and Museum.



Transfer - Cover a sheet of paper with Neopastel and place tracing paper on top. Using a ballpoint pen or pointed metal object, transfer a subject onto the tracing paper. Then simply transfer the image on the tracing paper onto another surface or sheet of paper.

Sgraffito - Apply several layers of Neopastel (dark over light), then scratch away the top layer to expose the underlying colors. The top layer is thick enough to be worked with a palette knife.

Templates - Apply NEOPASTEL around the edge of a smooth template, the wax pastel can then be pushed around with your finger to create patterns that can easily be repeated. Recommend experimenting with dark papers.



NEOPASTEL Oil Pastels

Encaustic - The pastel is heated, then applied with a knife or other suitable tool when molten. Works well with Icarus board.

Frottage (rubbing) - Place a sheet of paper over a structured surface like a coin and rub it with a pastel. This brings out the structure of the underlying material.

Resist - Neopastel works great as a resist with water-soluble mediums like Museum Aquarelle, Supracolor Soft and Neocolor II.

Supports

Best results can be achieved with heavy paper (170g – 200g), cardboard, primed canvas, heavy paper with a pronounced tooth, wood, ceramics, glass, metal and even egg shells.

Caran d'Ache Protective Spray is recommended on finished artwork to preserve the color and protect it from oily hands, moisture, mildew and dirt. In addition the artist can use a water-based varnish, acrylic varnish or vinyl varnish to protect artwork.

Approved By:

- Neopastel conforms to ASTM D-4236 and is labeled with AP seal and approved for use in US schools.
- Conforms to EN71 (CE)
- Non-allergenic - No gluten, wheat or peanut based materials are ever used in Neopastel crayons



Product Description:

- Available in sets of 12, 24, 48 & 96 as well as in open stock
- Round crayon: length 68 mm, diameter 10 mm, weight 6.5 to 8.5 grams
- Composition: Pigments, natural mineral fillers, binders, additives
- Solubility: Water-resistant; soluble in spirit of turpentine
- Lightfastness: Excellent
- Color strength: Excellent
- Opacity: Excellent opacity
- Hardening: No change over time
- Color consistency: Very good
- Washability: Bad
- Sharpen ability: Good (knife, a suitable sharpener)
- Impact strength: Good
- Heat resistance: Keep in a cool place if possible
- Shelf-life/durability: Unlimited in normal storage conditions





PABLO

Permanent color pencils

All components are made in the same factory in Geneva with rigorous quality controls at every step of production.

- Greatest number of pure pigments ensures batch-to-batch consistency and clean color blending.
- Excellent lightfastness is due to the high concentration of Swiss and German made pigments.
- The surface coverage is by far the best of any permanent color pencil, making Pablo extremely economical to use.
- Wood is FSC straight grain California cedar, it won't torque or warp when wet. This prevents the cores from cracking inside of pencil.
- Pablo and Supracolor Soft cores are all 6B in hardness when compared to graphite pencils, allowing for smooth consistent laying down of color. Other brands vary in hardness from color to color.
- The cores are tested to ensure there are no soft or weak spots which could cause the core to break when dropped or during sharpening.
- Cores are glued the entire length so that you will never have a piece of core fall out of the pencil during sharpening.



- Excellent color opacity
- Unlimited shelf life under normal storage conditions

Environmental

- The Caran d'Ache factory derives 30% of its total energy requirements from solar energy sources.
- The oils, packaging and leaflets conform to the various European regulations in effect concerning heavy metals, aromatic amines, PCB, dioxins, asbestos, breathable quartz and allergenic materials.



PABLO Color Pencils

- No breathable quartz or allergenic materials like gluten, wheat or peanut are ever used in any Caran d'Ache art pencil. These materials are commonly used by other art material manufacturers and can lead to allergic reactions.

Techniques

- Ideal for use on paper, cardboard, wood, stone, leather, fabric and terra-cotta. Very good for cross hatching.
- Burnishing, Frottage, Shading, Pointillism
- Excellent for photo colorization using a matte photo paper.

Caran d'Ache or Blair Spray Fixative is recommended on finished artwork to preserve the color and protect it from oily hands, moisture, mildew and dirt.

Approved By:

- Pablo conforms to ASTM D-4236 and is labeled with the AP seal and approved for use in US schools.
- Conforms to EN71 (CE)
- Certified FSC Forest Stewardship Council Cert. No. SQS-COC-22674, www.fsc.org

Product Description:

- Available color assortments 12, 18, 30, 40, 80, & 120. All 120 colors are available in 3 pc tubes. Hexagonal barrel is 6.9 mm diameter x 175 mm length
- Water-based, non-toxic, biodegradable lacquer finish matches the color core
- Lead diameter is 3.8 mm, except gold, silver & bronze which are 3.0 mm
- Brand, color name, reference number & lightfastness rating are printed on each barrel
- Pencil barrel and cap color matches core
- Barrel is made with California cedar
- Best sharpening angle: 25 degrees
- Lead Composition: Pigments, natural mineral fillers, binders, additives
- Tip drop test: Point chips but does not break in a 1.5 m drop test onto concrete
- Glue: Class 3 water resistance
- Markings: Hot gilding, traceability by blind batch number identification
- Sharpening angle: Fixed 25° angle
- Wood bonding: Excellent
- Sharpen ability: Excellent
- Solubility: Permanent (not water-soluble)
- Erasing: Best results with polymer eraser.
- Lightfastness: Very good to excellent (3.5 out of 4**** stars).
- Color strength: Maximum; this product has a high pigment content
- Opacity: Excellent mark opacity
- Powdering: Very low
- Homogeneity: Excellent
- Color consistency: Very good
- Covering power: Excellent, covers up to 100% of the support material
- Blending: Excellent results with color blending techniques





SUPRACOLOR SOFT

Water-soluble color pencils

Superior quality water-soluble color pencils for the most exacting requirements. Recommended by artists, illustrators, and creative professionals. Bright colors and excellent lightfastness are the result of using purer color pigments to create the color palette. Using the purest pigments equals superior color blending and batch-to-batch consistency.

- Best lightfastness of any water-soluble color pencil, except Museum Aquarelle
- Excellent surface coverage makes using Supracolor Soft very economical and perfect for large surface artwork
- California cedar is FSC Certified. The straight grade won't warp when wet, which prevents the cores from cracking.
- Cores are tested to be consistent in both color and dimension from batch-to-batch.
- All Supracolor Soft and Pablo cores feature a 6B hardness (compared to Graphite pencils) for smoother texture and feel.
- Caran d'Ache color cores are glued over the full pencil length and all sides for greater break-resistance.

Environmental

- The Caran d'Ache factory derives 5% of its total energy requirements from solar energy sources.



- Oils used in manufacturing, packaging and printed collateral materials conform to the various European regulations in regard to heavy metals, aromatic amines, PCB, dioxins, asbestos, breathable quartz and allergenic materials.
- No gluten, wheat or peanut based materials are ever used in any Caran d'Ache art pencil. These materials are commonly used by other art material manufacturers, and can lead to allergic reactions.



SUPRACOLOR Soft Watercolor Pencils



Techniques

- Very good for mixed media, cross hatching and washes
- Can be applied to wet fabric and then heat set with an iron to create fabric designs for clothes, quilts and tapestries
- Supracolor Soft is totally color saturated and highly water-soluble. Draw a patch of color on a separate piece of paper and using it like a pallet. Mix with water and a brush to create endless colors.
- Colors can be worked when wet, but are relatively permanent when dry, enabling overlays with little or no bleeding.
- Sprinkle dry shavings on a wet surfaces for even more brilliant color effects.
- Color can also be taken from the pencil core with a damp brush for detail work.
- Use blending stump to create more effects and additional lightfastness.

Caran d'Ache or Blair Spray Fixative is recommended on finished artwork to preserve the color and protect it from oily hands, moisture, mildew and dirt.

Approved By:

- Supracolor Soft conforms to ASTM D-4236 and is labeled with the AP seal and approved for use in US schools.
- Conforms to EN71 (CE)
- Certified FSC Forest Stewardship Council Cert. No. SQS-COC-22674, www.fsc.org

Product Description:

- Available color assortments 12, 18, 30, 40, 80, & 120. All 120 colors are available in 3 pc tubes
- Hexagonal barrel is 6.9 mm diameter x 175 mm length
- Water-based, non-toxic, biodegradable lacquer finish matches the color core
- Lead diameter is 3.8 mm, except gold, silver & bronze which are 3.0 mm
- Brand, color name, reference number & light-fastness rating are printed on each pencil barrel
- Pencil barrel and cap color match core
- Barrel is made with California cedar
- Best sharpening angle: 25 degrees
- Core Composition: Pigments, natural mineral fillers, binders and additives
- Tip drop test: Point chips but does not break in a 1.5 m drop test onto concrete
- Glue: Class 3 water resistance
- Markings: Hot gilding, traceability by blind batch number identification
- Sharpening angle: Fixed 25° angle
- Wood bonding: Excellent
- Sharpen ability: Excellent
- Solubility: Water-soluble for watercolor effects
- Erasing: Best results with a polymer eraser
- Lightfastness: Good to excellent (3, 2 out of 4**** stars) according to the color. (See star ratings on product)
- Color strength: Maximum; this product has high pigment content
- Opacity: Excellent mark opacity
- Powdering: Very low
- Homogeneity: Excellent
- Color consistency: Very good
- Covering power: Excellent
- Blending: Excellent results with blending techniques using blending stump and Full Blender Bright sticks to create even more effects



NEOCOLOR I

Water-resistant Wax Pastels

Made from the finest Swiss and German pigments to ensure batch-to-batch consistency and beautiful blends by the artist.

- 60 available colors
- Excellent surface coverage, one pastel will cover 17 sheets of letter size paper
- Can be sharpened like a pencil
- Excellent lightfastness
- Extreme opacity
- Can be blended with turpentine or mineral spirits to get effects simulating oil paint
- Can be combined with Neocolor II

Sgaffito – Neocolor I has the best opacity of all Caran d'Ache products and is the best choice for the Sgaffito technique. Apply several layers (light over dark) and scrape away a layer to reveal underlying colors.

Transfer technique – This is similar to mono printing using turpentine instead of water. To reproduce a line drawing with Neocolor I on paper or fabric, apply turpentine onto the surface and press the drawing onto a surface that is moist with turpentine. The turpentine will then release the Neocolor I to the new surface.



Templates – Apply Neocolor I around the edge of a smooth template. The wax pastel can then be pushed around with your finger to create patterns that can easily be repeated.

Encaustic – The pastel is heated, then applied with a knife or other suitable tool when molten. Also, works well with an Icarus board.



NEOCOLOR I Water-resistant Wax Pastels

Frottage – (rubbing) Place a sheet of paper over a structured surface like a coin and rub it with a pastel. This brings out the structure of the underlying material.

Batik - Ancient Eastern fabric dyeing technique. Neocolor I pastels can be used to create unique designs in fabric. Use the crayons as the resist material to prevent the dye absorbing into the fabric.

Supports - Suitable for use on paper, cardboard, wood, stone, glass, leather, fabric, plastic and terra-cotta. Works very well for decorating flower pots and wood painting

Blending and Overlays - Blends and overlays can be achieved with a stump, rag or finger to produce soft textured effects.

Finish work with an appropriate fixative like Caran d'Ache Protective Spray or Blair Spray Fixative.

Approved By:

- NEOCOLOR I conforms to ASTM D-4236 and is labeled with AP seal and approved for use in US schools.
- Conforms to EN71 (CE)
- Non-allergenic - No gluten, wheat or peanut based materials are ever used in Neocolor I and II pastel crayons



Product Description:

- Available in sets of 10, 15, 30 & 40 standard colors plus a set of 10 Metallic colors and a set of 10 Portrait colors, all colors are available in open stock
- Crayon: length 104.5 mm, diameter 8.65 mm, weight 7 to 11 grams
- Composition: Pigments, natural mineral fillers, binders, additives
- Solubility: Water-resistant, soluble in turpentine, white spirit, etc.
- Lightfastness: Very good to excellent (3.5 out of 4**** stars)
- Color strength: Maximum pigment content
- Opacity: Excellent opacity
- Compactness: Very low film formation
- Hardening: Non-ageing
- Color consistency: Very good
- Washability: Partial
- Sharpening: Sharp knife or crayon sharpener.
- Impact strength: Breaks easily when dropped.
- Heat resistance: Keeps its shape up to 45°C (113°F); retains its graphical properties after cooling
- Shelf life/durability: Unlimited in normal storage conditions





NEOCOLOR II

Water-soluble Wax Pastels

Neocolor II offers superior quality in a water-soluble artist's pastel. Designed to the most exacting requirements for artists, illustrators and designers.

- 126 colors in sets and open stock
- Excellent surface coverage, one pastel will cover 17 sheets of letter size paper
- Can be sharpened like a pencil
- Very good lightfastness
- Excellent opacity
- Made with an assortment of synthetic German and Swiss pigments for wonderful blending capabilities and great batch-to-batch consistency

Sgraffito – Apply several layers of Neocolor II (dark over light) and scrape down through each layer to reveal the underlying color.

Watercolor – Wash techniques are excellent for fashion illustration and design. Use as under shadow for watercolor, dry pastel and color pencil.

Textile – You can design textile patterns, quilts and tapestries. Apply to wet fabric and heat set with an iron using a piece of scrap cloth or paper to protect the iron.



Silk Screening – Draw on the screen with Neocolor II, then pull Jacquard or Golden silk screen ink colorless extender through the screen to release the pastels onto the surface. These products make Neocolor II permanent on most surfaces. Always test on scrap surfaces before using on finished artwork.

Templates – Applied onto a cutout, the wax pastel can be distributed with finger or brush.



NEOCOLOR II Water-soluble Wax Pastels



Encaustic – The pastel is heated, then applied with a knife or other suitable tool when molten. Also, works well with an Icarus board.

Frottage – Place a sheet of paper over a structured surface (such as a coin or badge) and rub it with the pastel. This brings out the structure of the underlying surface.

There are several industrial uses such as pattern making, marking metal, glass, leather or plastic. Neocolor II can then be wiped off with a moist towel.

WARNING - Neocolor II is not recommended for application on human skin, it should not be used as for children's cosmetics.

Use Caran d'Ache Protector Spray or a varnish containing turpentine or white spirits to protect artwork.

Approved By:

- Neocolor II Water-soluble Wax Pastels conform to ASTM D-4236 and is labeled with the AP seal and approved for use in US schools.
- Conforms to EN71 (CE)
- Non-allergenic - No gluten, wheat or peanut based materials are ever used in Neocolor I and II pastel crayons.

Product Description:

- Available in sets of 10, 15, 30, 40, 84 & 126 colors; all colors are available in open stock
- Round water-soluble pastel length 104.5 mm, diameter 8.65 mm, weight 7 to 11 grams
- Composition: Pigments, natural mineral fillers, waxes, additives
- Solubility: In water for watercolor effects
- Lightfastness: Good/excellent (3*** out of 4**** stars)
- Color strength: Maximum very high pigment content
- Opacity: Excellent opacity
- Compactness: Very low film formation.
- Hardening: Non-ageing
- Color consistency: Very good
- Washability: Good
- Sharpen ability: Very good
- Impact strength: Breaks easily when dropped
- Heat resistance: Keeps its geometrical shape up to 45°C (113°F); retains its graphical properties after cooling
- Shelf life/durability: Unlimited in normal conditions.





Gouache Studio from Caran d'Ache is a painting system for amateur artists and recommended for school use. It's made with natural vegetal binders and, as the name implies, the vegetal binder does not use egg whites, which can be an allergen. Gouache Studio has an unrivalled thick, buttery consistency, velvet-feel and does not form cracks when dry. The bright colors are water-soluble for watercolor effects and easily blended. The colors have good lightfastness levels and are economical to use thanks to a high pigment concentration.

- New metal box features a paint pallet designed into the lid; painted finish is easy to clean, cake pans are easily replaced and durable construction
- Studio quality recommended for amateur artists and school use
- Available in assorted boxes and individual colors. Tubes: 23 colors, Cakes: 16 colors
- Color cakes are air dried for a soft texture which can quickly blend with water
- Each set includes a tube of white paint for easy color blending and a high quality squirrel hair paintbrush
- Ideal for use on a wide range of materials including paper, cardboard, fabric, leather and wood
- Product conforms to EN71 (CE)

GOUACHE STUDIO



Techniques:

- Paper Batik: Combine Gouache Studio with Neopastel oil pastels
- Structured patterns: Apply a gouache and starch-paste mixture and drag a comb through it to create structured effects
- Water-based designs: Apply different patches of color, and work them with a flat knife. Thin films of paint produce stunning swirls of color.
- Draw a design with water on your painting and then scrape away the top layer.

For product assortments and color availability visit our website and click on the color chart.





FIBRALO MARKER/PENS



Fibralo Water-soluble Marker Pens feature bright, washable, transparent colors that do not dry out for up to one week with lid left off. Superior quality marker pens are recommended for sketching and coloring. Three year storage guarantee against drying out. Water-based ink does not penetrate the paper. Great length of writing, tested to over 600 meters.

Standard Colors

- Long lasting fibre-tipped pens with medium-size point
- Available in 30 colors, sets or individually
- Non allergenic vegetal water-based inks
- The fibre-tipped pens create sharp clean lines perfect for color drawing and retain their shape without getting fuzzy
- Product conforms to EN71 (CE)

Metallic Colors

- Three bold metallic colors; Gold, Silver & Bronze
- Great covering power
- Available in sets or individually.
- Water-based inks

For product assortments and color availability visit our website and click on the color chart.

Techniques:

- For painterly coloring, apply the pen ink color on to a non-absorbent (plastic sheet) surface, then pick up the ink in a paintbrush and apply it to your drawing. Let it dry and then use color pencils for details.

- Spot and tint wash watercolor effects. Draw several color spots on your paper and with a wet paintbrush pull out the ink from the color spots. Clean brush and repeat. Beautiful contrasts appear using this diffusion effect.
- Contours and stencils: With paper or cardboard, cut out a stencil. Using a Fibralo or Fancolor marker pen, draw over the edge of the stencil to make new shapes and blur out the detail features with a wet paintbrush.





FULL BLENDER - BRIGHT

The **FULL BLENDER - BRIGHT** from Caran d'Ache.

A colorless oil-wax medium for blending, dry mixing and intensifying colors. This single tool combines the mixing and unifying properties of a blender with a burnisher that consolidates and adds gloss. When applied over color pencils or watercolor pencils the pigments become even



more lightfast and watercolor pencils become permanent (water-resistant). It has a hexagonal shape with a natural finish. Since there is no case, 100% of the material is available for use, making it economical to use in a wide range of applications. It is a unique medium that opens up infinite technical possibilities and the ideal

complement to Caran d'Ache color pencils, graphite and wax pastels. It's an indispensable tool for professional artists or anyone who loves drawing and wants to develop their talents by adding a new dimension to their artwork.



Premium Brand Art Materials and Writing Instruments

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