



Chavant™

Clay Modeling Products

Since 1892, the finest name in Modeling Clay

Product Guide 2021

www.chavant.com

Kent Ullberg
Jolly King



Steve Koch
NSP Hard



Marc Mellon
Le Beau Touché



Ford Motor Company
NS60L



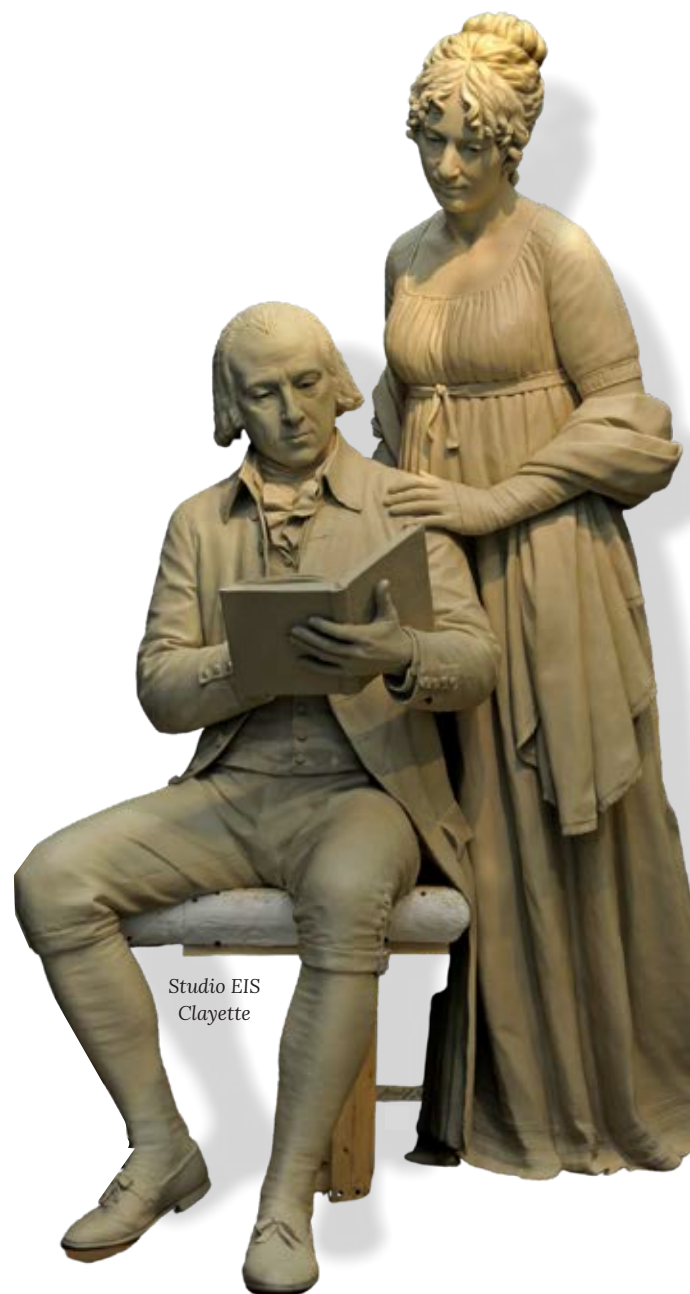
Meredith Bergmann
LBT-HM

Product Guide Contents:

	<u>Page</u>
FAQ	2
MODELING CLAY	
Fine Art Sculpting Clay	3-5
Ballastic Body Armor Testing	6
Sulfur-Free Industrial Clay	7
Sulfur Based Industrial Clay	8
CLAY MODELING FILM	
Clay Modeling Film	9
Modeling Check Foil	10
Chrome Film	10
INDUSTRIAL CLAY TOOLS	11
MODELING ACCESSORIES	
Radius Curves	12
Profile Gauges	12
Rice Tapes	12
MODELING TOOLS	
Kens Tools	13
Glyptic Tools	14
EXTRUDERS/RECYLING CLAY	15
EDUCATIONAL MATERIALS	
Industrial Design Modeling DVD's	16
Industrial Design Modeling Books	16
Sculpting DVD's	16
HOW TO	17
DISTRIBUTORS	18



Vala Ola
Le Beau Touché



Studio EIS
Clayette



Chris Vierra
NSP Hard

Inquiries? Please call 1-800-CHAVANT

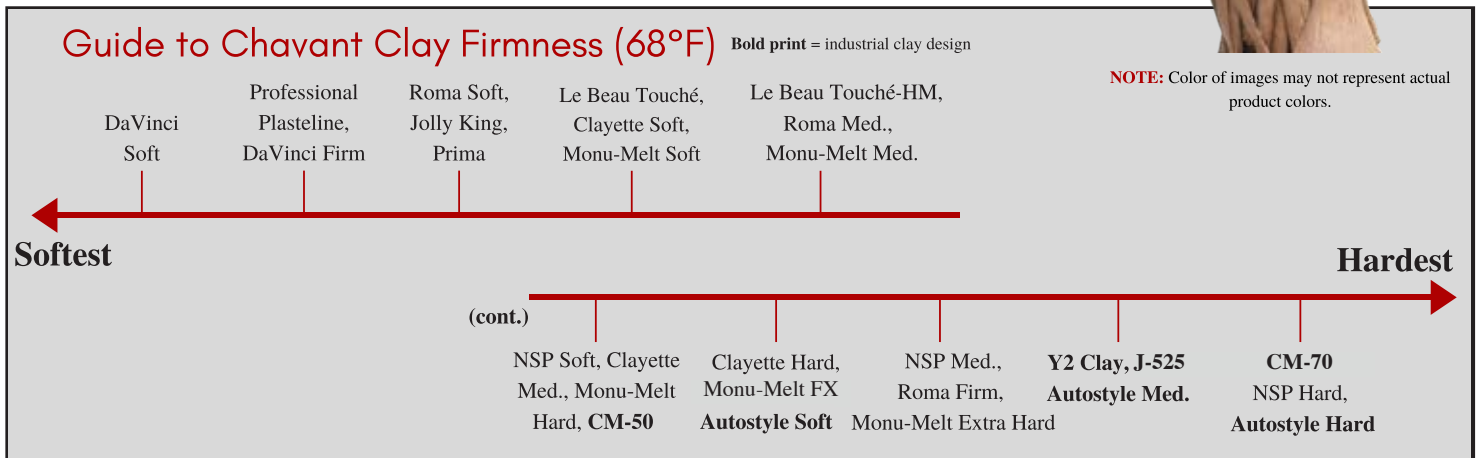
Frequently Asked Questions

- **How much does clay weigh?** Although different clays have different densities a good estimate is 90 pounds per cubic foot for standard clays and 30-40% less for lightweight clays. [See chart below.](#)
- **Can I mix different clays together?** Concerns with mixing clays are color, reactions to rubber, hard/soft areas and cohesion. They will generally stick to each other but proceed with caution.
- **How do I smooth the surface?** Try water, alcohol, WD-40, Goof-Off, turpentine, lighter fluid, Avon Skin-So-Soft, De-Solv-it and other multipurpose citrus-based solvents. Industrial clay will smooth simply by scraping with tools.
- **Why is sulfur used in some of the clays?** Sulfur is a non-toxic filler that enhances the surface texture of the clay.
- **Why is sulfur removed from many of the clays?** Sulfur-free formulas are generally easier to make silicone rubber molds from and have less odor.

AnatomyTools.com
J-525



TIP: Always test paints and mold making material prior to use on an actual project



Guide to Chavant Clay Density

Water has a density of 62.5 pounds/cubic foot and a specific gravity of 1 gram/cm³

Clay Name	Density (pounds/cubic foot)	Specific Gravity (g/cm ³)
Autostyle, Y2 Klay	65.5	1.05
Castilene	68.6	1.10
Clayette	103.0	1.65
CM-50, CM-70, J DeAired	96.7	1.55
DaVinci Soft	93.6	1.50
DaVinci Firm	99.8	1.60
Jolly King	102.3	1.64
Le Beau Touché & HM	93.6	1.50
Monu-Melt	96.7	1.55
NSP Soft & Medium	96.7	1.55
NSP Hard	103.0	1.65
Prima	101.1	1.62
Professional Plasteline	87.4	1.40
Roma	95.5	1.53

**SAMPLE KITS
AVAILABLE**

PURCHASING TIP:

Due to the subjective nature of modeling clay, we recommend the purchase of a sample kit which contains representative samples of each product.

Tim Bruckner
NSP-Medium



Chavant Fine Art Sculpting Clays

Each type of Chavant Fine Art Sculpting Clay, also known as Plasteline, is suitable for all educational levels and professional sculptors in the Fine Art, Special Effect, and Product Design industries. Also consider the Industrial Design clays. Personal opinion generally dictates choice and clients appreciate the variety of materials. All will meet requirements for detail retention and surface development. Blocks are each individually wrapped.

Sulfur-Free Clays



NSP

NSP is a globally well-accepted **sulfur-free** material used by the Special Effects and Fine Arts industries. It holds exceptional surface details and is somewhat waxier and tougher than other Chavant products. NSP can be melted and poured at approximately 185°F.

Available in: Soft, Medium, and Hard

Colors: Green*, Brown or Tan (Tan color will vary)

*Green color is different at each hardness.

NSP™



Block Size	Approximate Dimensions	Net Case Weight
2 pound block	2 ½" x 2 ¾" x 5" (20 / box)	40 pounds
10 pound block*	4 ½" x 4 ½" x 11" (5 / box)	50 pounds

*soft & medium only

Le Beau Touché - Original & Le Beau Touché - HM

Le Beau Touché is a **sulfur-free**, extremely smooth, flexible and tacky sculpting Fine Art Plasteline with exceptional adhesive quality. The HM formula is less sensitive to heat variations and is suggested for use where working environments are expected to reach 90°F. HM is slightly firmer and less tacky than Le Beau Touché - Original

Colors: Green, Brown or Cream (Cream color will vary)



Block Size	Approximate Dimensions	Net Case Weight
2 pound block	2 ½" x 2 ¾" x 5" (20 / box)	40 pounds
10 pound block*	4 ½" x 4 ½" x 11" (5 / box)	50 pounds

*soft & medium only

Clayette

Clayette modeling clay is **sulfur-free**, non-hardening, odor free and flexible without being sticky. It has a very smooth silky surface texture. It is produced in a natural off-white color.

Available in: Soft, Medium, and Hard

Colors: Off-white (color may vary)



Block Size	Approximate Dimensions	Net Case Weight
2 pound block	2 ½" x 2 ¾" x 5" (20 / box)	40 pounds

Off-White

Monu-Melt

Monu-Melt brings all of the qualities of Clayette into a formula that can be melted and applied to a CNC foam armature by brush. Monu-melt is **sulfur-free**, will not oxidize and can be left out or heated and cooled repeatedly without any significant change. This product should be melted in a range from 180-200°F.

Available in: Soft, Medium, Hard, Extra Hard and "FX" grade (NEW)

Colors: Dark Forest Green



Block Size	Approximate Dimensions	Net Case Weight
2 pound block	2 ½" x 2 ¾" x 5" (20 / box)	40 pounds

Dark Forest Green



Prima Plastilina

Prima Plastilina is a premium-grade, smooth-working, oil based modeling clay that never hardens or changes with air exposure. It has a medium tackiness, is **sulfur-free** with a neutral, non-offensive odor and a natural tan color.

Colors: Natural Color (Tan) (color may vary)

PACKAGING:

Block Size	Approximate Dimensions	Net Case Weight
2 pound block	2 ½" x 2 ¾" x 5" (20 / box)	40 pounds

PRIMA™



Natural Color (Tan)

Jolly King Plasteline

Jolly King Plasteline offers the finest quality in an economical plasteline. The wax base, which is used in more costly plastelines, produces a smooth, pliable, non-hardening modeling material. Jolly King Plasteline is **sulfur-free**.

Colors: Gray-Green

PACKAGING:

Block Size	Approximate Dimensions	Net Case Weight
1 pound block	3 ¾" x 3" x 1 ½" (48 / box)	48 pounds

Jolly King BRAND™
PLASTELINE



Gray-Green

Castilene

Castilene is a **sulfur-free** modeling compound that models like clay and works like wax. It is lightweight, compatible with silicones and other rubbers, and can be melted and poured at about 170°F. The medium grade is great for detailing and modeling, and the hard grade is best for sharp detail. **Check page 17 for how to work with Castilene.**

Available in: Soft, Medium, and Hard

Colors: Green

PACKAGING:

Block Size	Approximate Dimensions	Net Case Weight
2.5 pound block	6 ½" x 5" x 2 ¼" (16 / box)	40 pounds

CASTILENE™
Modeling Compound



Green

Fill-it (mold makers putty)

Fill-it is a **sulfur-free**, wax based clay with excellent adhesive and feathering characteristics. It is a general use clay used by mold makers to seal mold boxes, build dams, set parting lines/shims and repair cracks.

Colors: Off-white (color may vary)

PACKAGING:

Block Size	Approximate Dimensions	Net Case Weight
1 pound block*	4 ½" x 3 ¾" x 1 ¼" (50 / box)	50 pounds

*Each block is pre-cut into 1/4 pound sticks for ease of handling.

FILL-IT Clay Compound™
Sulfur Free, Non-Drying, multi-use compound



Off-White

NOTE: Replacing sulfur minimizes difficulties associated with mold making when using silicone rubber. Always pre-test rubber systems and consider Sealers and Release Agents.



Susan Wagner
Professional
Plastiline

Fine Art Sculpting Clays

Sulfur Based Clays



Kimber Fiebiger
NSP Medium

ROMA Plastilina

Roma Plastilina, has been used by Fine Art sculptors since the 1950's. In 1977, Roma #1 was adopted by the Ballistics industry for various highly, and increasingly regulated, testing purposes. Chavant acquired the Roma product line in 2002 maintaining consistent, uninterrupted production and distribution. During this time, it was recognized that the requirements for these uniquely different markets have widely diverged and that servicing both industries with the same product has become progressively difficult. To meet the expectations of both industries, Chavant divided Roma Plastilina into separate product lines to independently service the distinctly different Fine Art and Ballistic marketplaces. For the Fine Arts market, Roma 1, 2 & 3 has been renamed Roma Plastilina Soft, Medium and Firm.

Available in: Soft, Medium, and Firm

Colors: Gray-Green & White (white color may vary)

ROMA PLASTILINA™

PACKAGING:

Block Size	Approximate Dimensions	Net Case Weight
2 pound block	2 ½" x 2 ¾" x 5" (20 / box)	40 pounds



Gray-Green

White

Professional Plastiline

A superior, **sulfur based**, silky smooth modeling compound. The material is soft, permanently pliable, reusable and requires no heating. Chavant's original formula and blending process assures Plastiline of consistent high quality. **In production since 1892.**

Colors: Gray-Green or Brown

PACKAGING:

Block Size	Approximate Dimensions	Net Case Weight
1 pound block	1" x 3 ¾" x 4 ½" (50 / box)	50 pounds
2 pound block	2 ½" x 2 ¾" x 5" (20 / box)	40 pounds
5 pound block	4 ½" x 4 ½" x 5 ½" (10 / box)	50 pounds
10 pound block	4 ½" x 4 ½" x 11" (5 / box)	50 pounds



Gray-Green

Brown

DaVinci Italian Plastilina

Formulated in the 1920's, DaVinci is an original Italian Plastilina. Normal temperature ranges do not affect this unique, wax-free, **sulfur based** sculpting clay which has a non-sticky, smooth feel of water based clay.

Available in: Soft (the softest product offered) and Firm (second softest we offer)

Colors: Dark Gray

PACKAGING:

Block Size	Approximate Dimensions	Net Case Weight
2 pound block	2 ½" x 2 ¾" x 5" (20 / box)	40 pounds



Dark Gray

Ballistic Body Armor Testing

ROMA PLASTILINA No. 1

The Global Choice for Body Armor Testing



Roma Plastilina No. 1 was established as a ballistic testing clay in 1977 (1). Since then, it has been adopted by military and law enforcement agencies (2) for evaluating body armor and helmets throughout the world (3). The clay is reliable, reusable and easy to use (4).

References:

1. RN Prather, CL Swann and CE Hawkins. Backface Signatures of Soft Body Armors and the Associated Trauma Effects. Aberdeen Proving Grounds, Md. Chemical Systems Laboratory 1977
2. Ballistic Resistance of Body Armor NIJ Standard 0101.06, US Dept of Justice, National Institute of Justice 2008 section 4.2.5.3
3. British Home Office Body Armour Standard 2017 section 6.5.1
4. ASTM E3004-15 Standard Specification for Preparation and Verification of Clay Blocks Used in Ballistic-Resistance Testing of Torso Armor 2016

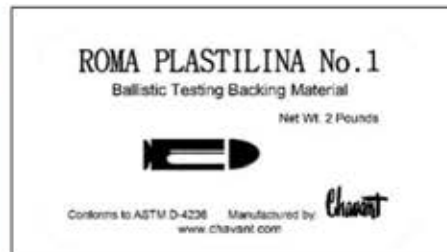


The Roma Plastilina product line was purchased by Chavant, Inc. in 2002. The formula remains unchanged. Consistent, uninterrupted production in the USA has been maintained and steadily improved since this acquisition.

Packaging modifications to the label and box design were implemented January 1, 2020.



Case [20 – 2 lb. Blocks, Net Wt. 40 lbs.]
Made in USA



Block Label/Wrapper



Case Label with Lot ID

6 digit production date – box #

Approved Standard:

Roma Plastilina No. 1 conforms to, and is specified by, **NIJ Standard 0101.07 Draft and ASTM E3004** for ballistics testing.

Quality Control:

Ingredients, formulas, and manufacturing processes are closely monitored by trained staff using the highest clay industry standards. Documentation and physical properties of all raw materials are evaluated and inspected at delivery. Certificate of Analysis records are kept with corresponding retained samples of raw materials for a period of not less than two years.

Newly manufactured clay is sequestered for a standardized period. Subsequently, each production lot of material is systematically tested for multiple working characteristic markers and compared with historical data to ensure consistency. Detailed production records and retained samples of all finished goods are preserved for a period of not less than two years.

Certificate of Compliance available by request.

Industrial Design Styling Clay

Modeling clay remains an industry standard for three-dimensional design studies. The material perfectly complements modern CAD-CAM processes and allows for quick surface modifications. Industrial Styling Clays are manufactured in several formulations to suit the exact requirements of sculptors in the Transportation and Product Design industries. Formula selection depends largely upon personal preference, available equipment and working environment. Each formula has excellent qualities of adhesion, cohesion and consistency, can be milled, carved, extruded and slicked to an extremely accurate, glass-like finish. The clays join easily, will not show seams, will hold fine detail and will not crack under normal circumstances. They are reusable, can be modeled by hand, template dragging or CNC equipment, are non-toxic and create no dust. Surfaces can be finished with films, drafting tapes or paint. Surface data can be scanned or tooling molds can be acquired.

Sulphur Free – Lightweight – Low Odor - DeAired



Chavant AUTOSTYLE

Available in: Soft, Medium and Hard Firmness

Color: Light Brown

Recommended Working Temperature: 130°F - 140°F

Packaging: ≈ 2 ½" x 11"; 2-pound billet; 20 Pieces per Net; 40 lb. Case



Chavant Y2 KLAY

Available in: Medium-Hard Firmness

Color: Dark Brown

Recommended Working Temperature: 130°F - 140°F

Packaging: ≈ 2 ½" x 11"; 2-pound billet; 20 Pieces per Net; 40 lb. Case



Tools INT'L NS60L & NS60F2

Chavant is pleased to offer Japan made Industrial Clays manufactured by our long time affiliate, Tools International.

Available in: Medium Firmness

Color: Brown

Recommended Working Temperature: 140°F

Packaging: ≈ 2 ¼" x 10 ¾"; 0.65 kg (1.4 lb.) billet; 15 Pieces per Net; 21.5 lb. Case



AutoStyle Medium



Ford Motor Co.
NS60L



Ford Motor Co.
NS60L

Industrial Design Styling Clay

Sulfur Based

Hard Styling Clays (DeAired)

Industrial Styling Clays are most often manufactured by removing entrapped air, making the clay denser, smoother and ideal for achieving excellent surfaces and fine extrusions (See page 2 for Hardness and Density Charts)

- **DeAired CM-50:** "Medium-hard", sulfur based, brown formula, considered the softest of the Hard Styling Clays.
- **DeAired J-525:** "Hard", sulfur based, light brown with a higher softening point.
- **DeAired CM-70:** "Extra-hard", sulfur based, brown formula.



PACKAGING:

Billet (Cylinder Size)
2 ½ pound Billet

Approximate Billet Dimensions
2 ½" x 12" (20 per box)

Net Case Weight
50 pounds

Hard Styling Clays (Non DeAired)

- **CM-50:** "Medium-hard", sulfur based, brown formula, considered the softest of the Hard Styling Clays.
- **J-525:** "Hard", sulfur based, light brown with a higher softening point.
- **CM-70:** "Extra-hard", sulfur based, brown formula.



PACKAGING:

Block Size
2 pound block

Approximate Block Dimensions
2 ½" x 2 ¾" x 5" (20 per box)
(individually wrapped)

Net Case Weight
40 pounds



CM-50



J-525



CM-70

Less than case quantities are available through our distributors – see website

Clay Modeling Film

NEW



2 New Colors for 2021:

Nova Gray (as seen above) and Flare Red (Please call for sample, no image at time of printing)

Clay Modeling Film is used on clay models for highlight confirmation and to prepare clay models with a presentation “paint-like” surface. The material is a pre-pigmented, ready-to-use, adhesive backed, stretchable membrane. It has excellent elasticity for application onto compound curves, concave or corner surfaces and will not fade in applied areas.

For full written instructions and for a guide with step-by-step images please follow the path:

www.chavant.com > Products > Technical Information > Technical Articles > Clay Modeling Film “How To”

or

<http://www.chavant.com/files/tech.html#tech>

Basic Application Steps



Modeling Check Foil

An inexpensive quick method to verify surface data using ultra thin aluminum foil. Will stretch slightly. No adhesive required. Smooth with rubber rib tools/spreaders.



Matte Black / Silver

450mm x 250m



Red / Silver

200mm x 250m



Chrome Silver / Silver

450mm x 250m



Steel Gray / Chrome Silver

450mm x 250m



Gloss White / Chrome Silver

450mm x 250m



Modeling Sheet Chrome

For chrome simulation on door handles, trim and headlamp housing. Ultra thin. Stretching will not "break" color or gloss. Peel and Stick (540mm x 5m)





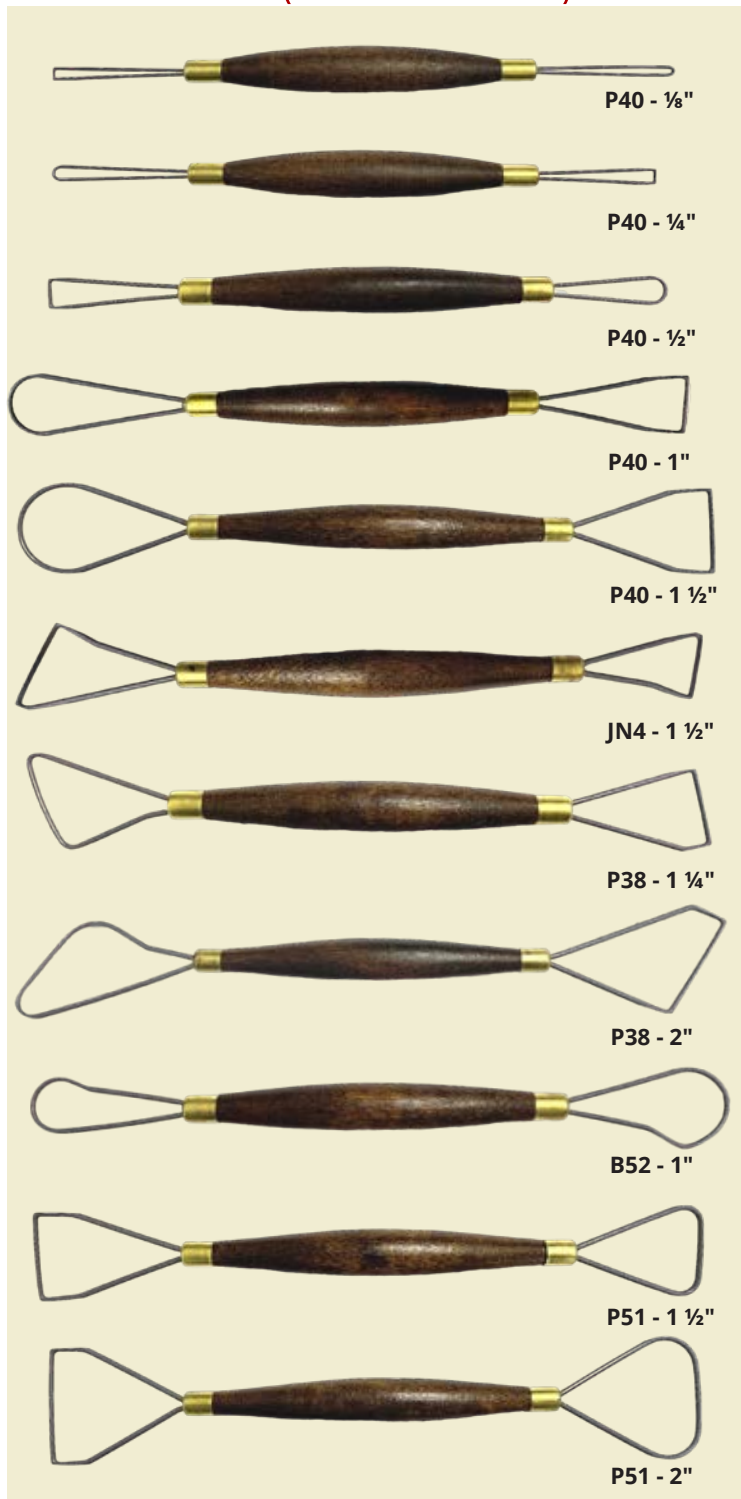
Industrial Clay Tools

Handmade with Carbon Steel

**TOOL "SETS"
AVAILABLE**

See Price Sheet
Published Separately

WIRES (Double Ended)



FINISHERS



Starter Kit Includes

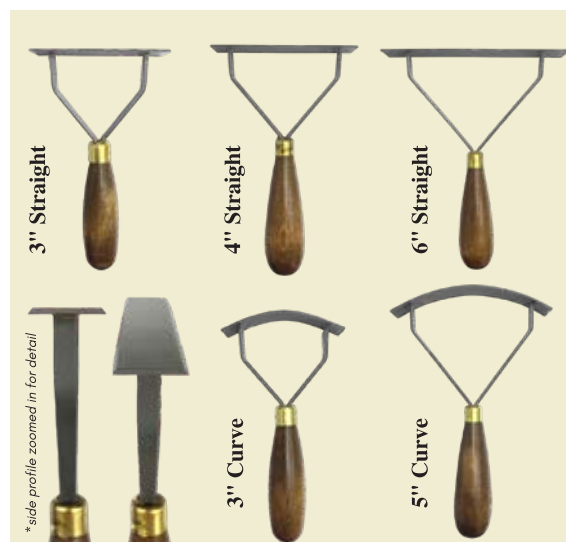
(8 Pieces)

3" Straight, 3" Curve, P38 - 1 1/4",
P40 - 1/2", B51 - 1 1/2", B52 - 1",
F18-1 3/4", SE .010 x 7

Chavant Industrial Clay Tool Wires Construction

- Round hardened wire is shaped and hand ground to half moon with flat side on outside edge
- Wire is brazed together and inserted 2" into pre-drilled wooden handle
- Wire is epoxied in place with brass ferrule

RAKES



Other Rectangular Steels

.005"	x	2"	x	3"
.005"	x	2"	x	6"
.010"	x	2.5"	x	6"
.010"	x	2.5"	x	8"
.015"	x	2.5"	x	6"
.015"	x	2.5"	x	8"
.020"	x	2.5"	x	8"
.020"	x	2.5"	x	12"
.025"	x	2.75"	x	8"
.025"	x	2.75"	x	12"
.030"	x	2.75"	x	8"
.030"	x	2.75"	x	12"

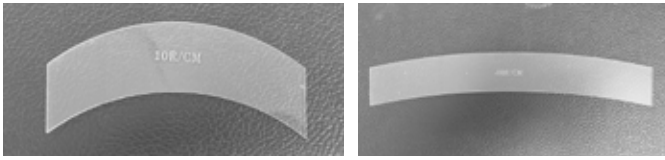
STEELS



Make Your Own Steels!

Blue Tempered spring steel assortment consisting of six 6"x12" sheets of various thickness (0.005, 0.010, 0.015, 0.020, 0.025, and 0.032) inches. Set includes templates for making your own steels.

Radius Curves

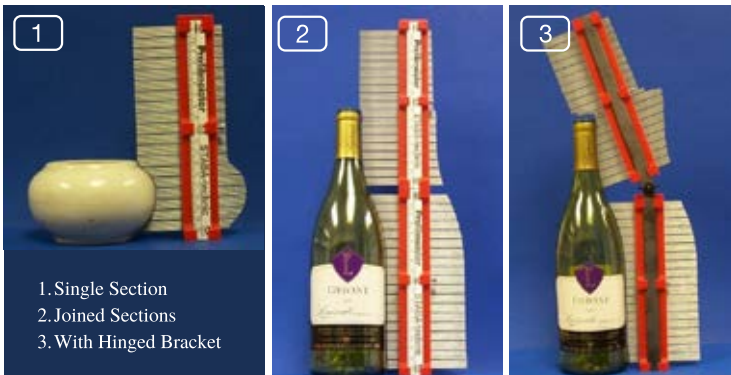


Radius Curves are made of 2mm transparent acrylic. Sets are available in 30, 50, or 100 pieces. All sets come in a wooden storage box. Radii are printed in centimeters (cm) on each curve. Curves have parallel edges.

Radii assortment (in CM) included with each Radius Curve set

100 Piece Set	50 Piece Set	30 Piece Set
3, 4, 5 ... 30, 32, 34 ... 100, 105, 110, 115 ... 170, 180, 190 ... 300, 320, 340 ... 500	3, 4, 5 ... 10, 15, 20 ... 100, 105, 110, 115 ... 150, 160, 170, 180 ... 290	10, 11, 12 ... 20, 22, 24 ... 30, 35, 40, 45 ... 100

Profilemeister Profile Gauges



A unique steel pin contour gauge that allows 20cm sections to be joined together. Once a shape has been embedded into Profilemeister, the gauge can be stored in its original case without disturbing the embedded shape. The gauge is sold in sets of 2 or 5 sections. Each set includes a case, reference ruler and hinged bracket that can be inserted into the ruler slot allowing two gauges to be used at a fixed angle.

Rice Tapes

Japanese Rice Paper "washi" tapes. Thin and perfect for guiding tools or templates, masking areas and creating peripheral line qualification studies. Minimal adhesive residue after removal. Will not pull off surface finish.

Black Gloss Sizes

Size	Rolls / Case	Rolls / Sleeve
3mmx18m	400	40
6mmx18m	200	20
9mmx18m	130	13
12mmx18m	100	10
15mmx18m	80	8
18mmx18m	70	7
24mmx18m	50	5



Silver*, Matte Black and Chocolate

*Silver matches Silver Clay Modeling Film

Size	Rolls / Case
6mm x 15m	160
10mm x 15m	96
12mm x 15m	80
15mm x 15m	64
18mm x 15m	56
20mm x 15m	48
25mm x 15m	40
30mm x 15m	32
40mm x 15m	24
50mm x 15m	16

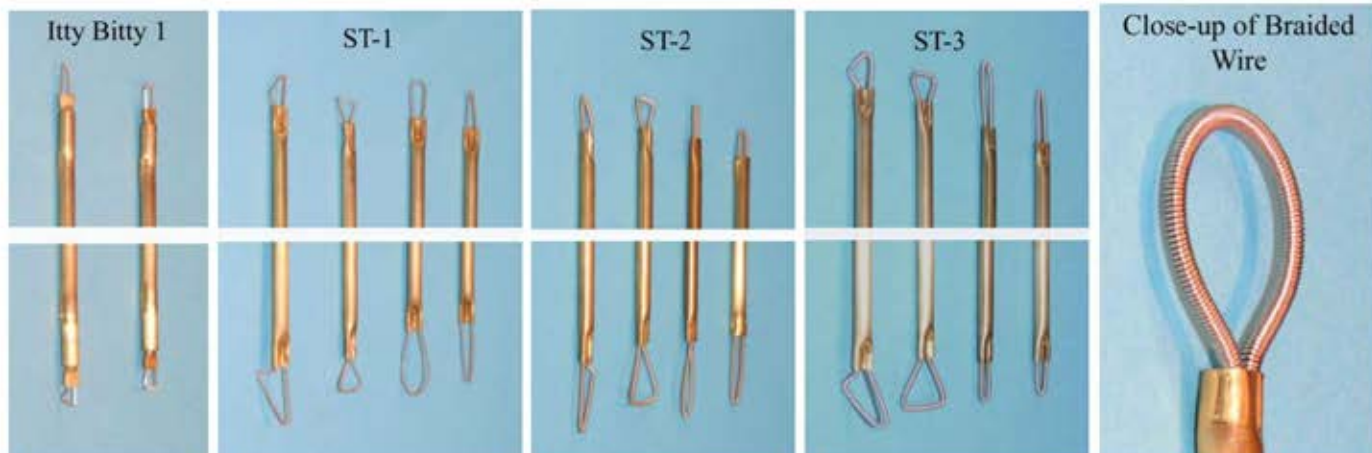
In addition to the quality tapes above, Chavant will be pleased to offer separate custom quotations on these fine brands: IC Free Tape (7 colors), IC Mat Tape (8 colors), Kamoi No. 220 (9 colors), Nichiban

KENS TOOLS

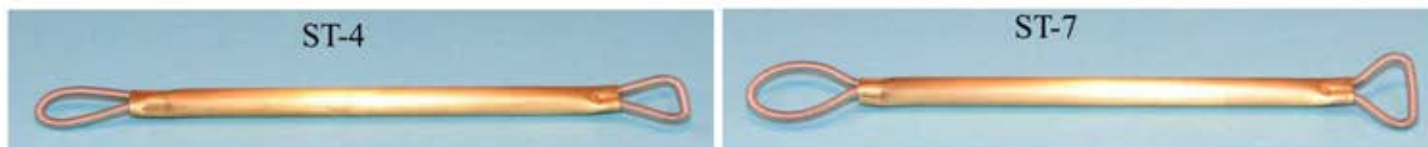


Skin Arts - Berlin
NSP Medium

Smooth Wire and Braided Wire Rake Sets: Doubled ended tool sets. The Itty Bitty 1 Set has Smooth Wire. Fine (ST-1), Medium (ST-2) and Heavy (ST-3) have Braided Wire. **Delicate, not for digging.**



Extra Heavy Braided Wire Rakes: ST-7 has thicker wire than ST-4. Used for refining rough areas.

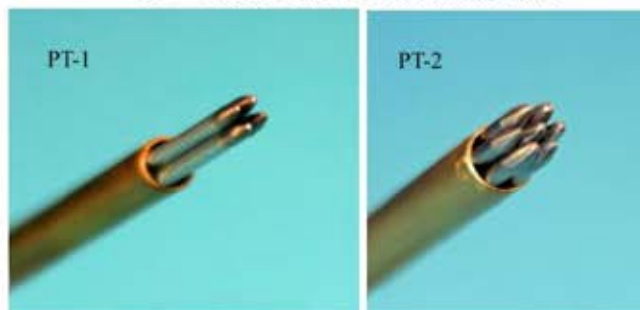


Metal Tooth Rakes: ST-6 has thicker wire than ST-5. Used to block out and take down rough areas.

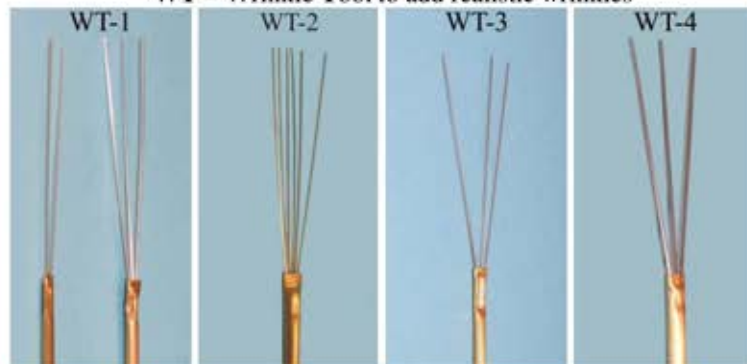


Texture Tools:

PT = Pore Tools for realistic skin detail



WT = Wrinkle Tool to add realistic wrinkles



WT-1 is double ended with 2 prongs on one end and 3 prongs on the other. WT-2 has 6 prongs. WT-3 has 3 prongs (0.025 wire) and WT-4 has 3 prongs (0.047 wire).

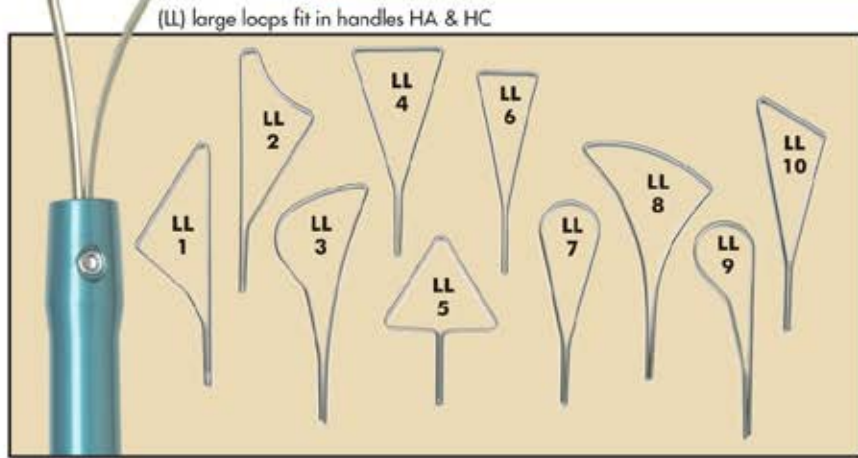
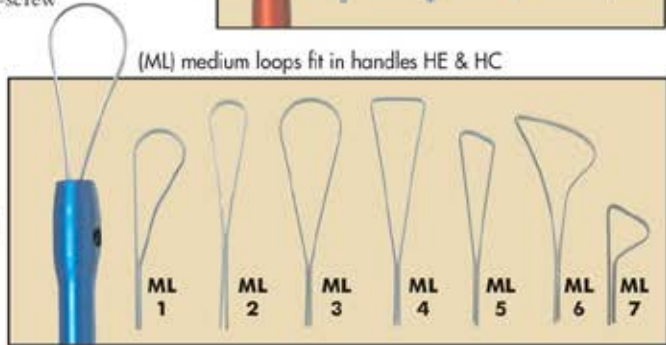
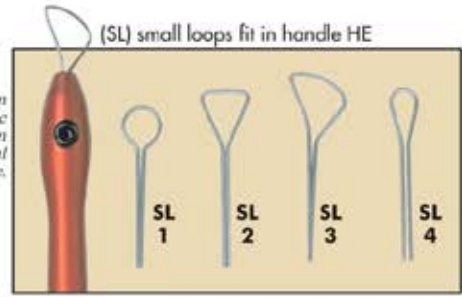
**** Handle Length on all tools = 5" +/- .25" ****

GLYPTIC™ modeling tools

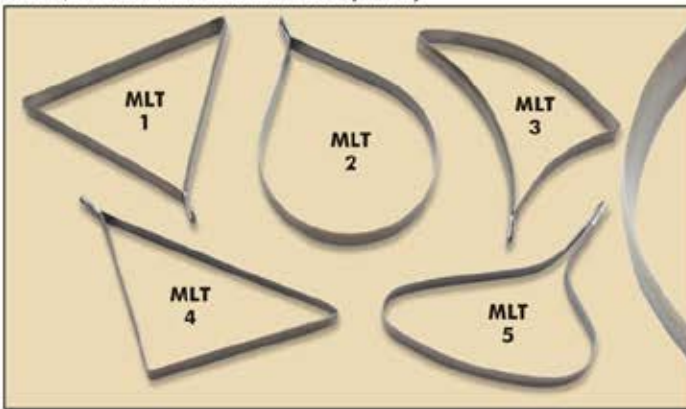
The Glyptic Modeling Tool loops are made from high quality materials:
Monumental Loops: Serrated on side
Large Loops: Half round stainless steel wire
Small and Medium Loops: Tempered steel

These tools are very economical:
 If a loop breaks, just replace the loop,
 not the whole tool.

Glyptic (Greek – “to carve”) have been designed for Chavant, Inc. for use in professional and hobby modeling of clay, wax and plastics etc. for sculpture, pottery, jewelry and ceramics. The balanced, lightweight handles are made of brightly colored anodized aluminum. A variety of wire loops fit tightly into the handles. The wire loops interchange easily by simply loosening the set-wrench with the allen wrench.



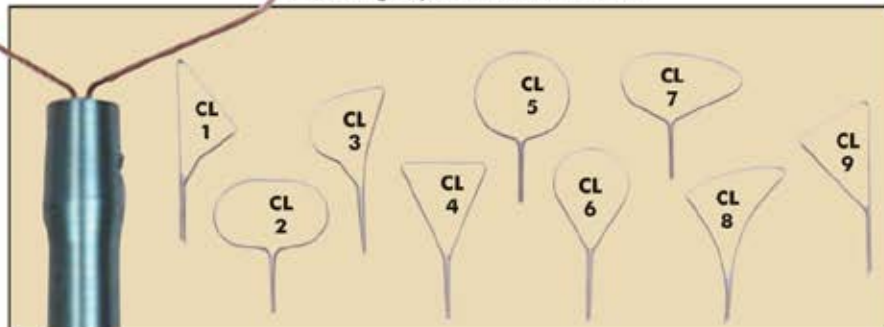
(ML) monumental loops: stainless steel
 (HMLT) monumental tool handle: sold separately



The brightly colored anodized handles help you to quickly identify which tool you want while at work. Each handle is approx. 6" in length and comes with an allen wrench for easy loop change.

Very sharp. Great for clay as well as masonry work. Loops are serrated on one side unless special ordered for no serrations or left handed artists. Handle is 8" long, loops are approx. 4" across.

Loop in handle shown actual size.



Serrated Loops Available
 Medium, Large, Monumental
 Individually Priced



NSD-120 Clay Recycling / Extruding Machine

Extrusion and Deairing unit for recycling used clay chips. Air and moisture are removed by vacuum. A billet is extruded. Custom dies can be installed for various profile shapes.

Specifications:

Length: 83.5" (2120 mm)
 Width: 20.5" (520mm)
 Height: 42.5" (1083 mm)
 Weight: 830 lbs. (375 kg)
 Capacity: 200+/-lbs./hr.
 (different clays have different results)

Clam Shell Design
 for easy
 maintenance and
 cleaning



Manufactured in Japan

G75D Modeling Clay Extruder / Recycling Machine

The G75D extruder uses a Duplex construction. It is fitted with a vacuum chamber and high performance pump to deair modeling clay as it passes through the unit.

The G75D can reclaim clay scraps, returning them to a billet form. The clay extrusion can actually be used for applying the material to an armature.

Dies can be fitted for profile shapes.



G75D
 De-airing extruder shown
 with optional auto-cutter.

Tech Spec

Drive: 1.5Kw 3phase 400v 50Hz
Vacuum Pump: 0.4Kw 3.6cu/mt
Control: Digital temperature control
Overall Sizes:
 Height to top of Hopper 1800 mm approx.
 Length 2000 mm approx.
 Width overall 1100 mm approx.
 Weight 750 kilos approx.

CE Compliance

The G75D is built to all current requirements including BSEN 60204, BSEN 292 & 294, Low voltage directive 73/23/EEC

Optional Extras

The G75D can be fitted with numerous options

Manufactured in England

Industrial Clay Modeling DVD's*

*Footage is somewhat outdated, however content is valuable to any new clay modeler.

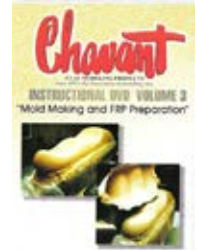
Part 1: *Introduction to Clay Modeling* (90 minutes)

This highly recommended DVD offers information on types of clay, clay tool usage, clay ovens, armature construction, clay application, fillets, radii, compound curves and surface finishing. A full-size, tear drop shaped concept vehicle is developed



Part 2: *Advanced Techniques in Clay Modeling* (90 minutes)

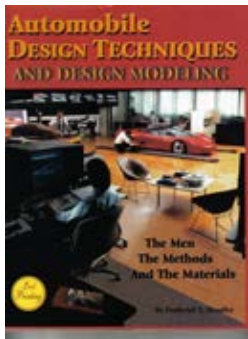
This session covers topics including surface plates, armatures, measuring equipment, hidden templates, ground effect development and an introduction to mold making. Full-size pick-up truck aftermarket components are used for demonstration.



Part 3: *Mold Making and FRP Preparation for Clay Models* (70 minutes)

You have a clay model, now what? Several techniques for mold making from a clay model are discussed, surface preparation for a Gel Coat Class A finish and Polyester, Epoxy and Syntactic foam tooling.

Industrial Clay Modeling Book



Automobile Design Techniques and Design Modeling:

A significant textbook presentation of design modeling in the past, present and future. Includes surface development, studio establishment, mold making and suppliers list - featuring the use of Hard Styling Clay throughout. 350 pages, 450 photos. Hardcover.

Author: Frederick E. Hoadley

BOOK CONTENTS ARE AVAILABLE AT: www.chavant.com > tech info > educational section

Sculpting DVD's

Sculpting Movie Monsters: Instructional DVD by Mark Alfrey who sculpts two monsters. 52 minutes

Sculpting the Nude Figure: Basic sculpting practices such as armature construction and measurement are reviewed. Techniques for sculpting nudes are demonstrated from a live female model. 45 minutes

Standard Molds and Castings: Learn silicone and stone mold making and how to pour rubber mask and plastic resin castings from those molds. 60 minutes

Prosthetic Make-Up: Learn how to create movie quality prosthetic make-up effects from today's Hollywood pros.



How To: Castilene

Claudio Setti



Produced by Hard Hero
Sculpted by Seth Vandable

To Begin with Castilene

Soften with a variety of heat sources including heat lamps, hot boxes, heat guns, crock pots, microwave ovens, hot water, or double boilers. **DO NOT USE A DIRECT FLAME.** Regardless of the heat source, avoid heating above 170°F. The strength and light weight of Castilene allows sculpting without a wire armature in many cases.

Working with Castilene

Hard Castilene will remain malleable while working if kept warm. All three hardnesses are compatible with one another. Hard Castilene can be used as an armature and soft or medium Castilene can be applied on top of the hard. All generic wax tools and wax carving methods are compatible with Castilene. Heat tools before carving. Chill Castilene to achieve optimum hardness for high detail and burnishing.

Polishing and Finishing Methods

Use wax compatible products including Goo Gone, De-Solv-it, d-limonene or Prepsol based products. Mineral oil, Turpinoid and petroleum products will lubricate the surface. Polish with Chiffon, nylon or burnishing tools. Castilene does not inhibit silicone or other mold rubbers. Castilene can be burned out for lost wax casting ([refer to our website for specific burn-out instructions](#)).

How To: Melting Chavant Clays

Most of Chavant's non-sulfur clays can be melted. Depending on formula and consistency the heated material can be brushed onto an armature and in some cases, poured into a mold or even sprayed, although the equipment and advice required to spray is not widely available. It is recommended to heat the clay in a double boiler, a crock pot or some other controllable heat source. Over-heating the clay is not recommended. Excessive temperature can cause the components to scorch or separate, a situation that may or may not be recoverable. Always test your method in advance.

This is a short reference guide to some of the characteristics of Chavant's clays when heated and melted:

Le Beau Touché and Le Beau Touché HM: can be heated to a semi molten state, to brush or trowel, at approximately 185-210°F, however it will not easily pour.

NSP: can be brushed at 180°F and poured at 185°F. When cooled, the clay tends to feel harder than the original but can be kneaded back to a firmness and consistency similar to the original clay. Repeated cycle of melting and cooling will eventually cause irreversible hardening.

Monu-Melt: can be brushed at 170°F and will flow to some extent at 210°F but does not pour as well as NSP. There is some oil separation at 210°F but the clay can be kneaded back to its original consistency upon cooling.

Y2 Klay: can be brushed at 180°F. Flow improves with higher temperature and can be poured at around 195-210°F; the higher the temperature, the better the flow. However, after the clay cools, the hardness is proportional to the melt temperature. The increase in hardness is irreversible.

AutoStyle: can be brushed at 180°F but does not flow at any temperature. Melting the clay irreversibly hardens the clay.

James Muir
MonuMelt Medium



Kate Ive
Clayette Medium

Stocking Distributors of Chavant Products



- Australia
- Brazil
- Canada
- China
- Czech Republic
- Finland
- France
- Germany
- Indonesia
- Ireland
- Israel
- Italy
- Japan
- Korea
- Malaysia
- Netherlands
- New Zealand
- Peru
- South Africa
- Russia
- Spain
- Taiwan
- United Kingdom
- United States



Ron Williams Design
Y2 Klay



Karl Gabriel
NSP Hard

Distributor Details found at www.chavant.com



Gary Lee Price
Professional Plasteline



Karen Stoddard
Le Beau Touché



Greg Pocutanovich
CM-70



Tim Bruckner
NSP Medium



Vic Payne
Professional Plasteline



Dora Natella
La Beau Touché

Chavant™

Clay Modeling Products

Since 1892, the finest name in Modeling Clay

Mailing Address:

Chavant, Inc.
5043 Industrial Road
Farmingdale, NJ 07727-3651

Shipping Address:

Chavant, Inc.
5043 Industrial Road
Wall, NJ 07719

Phone 1: 1-800-CHAVANT (800) 242-8268

Phone 2: (732) 751-0003

Fax: (732) 751-1982

www.chavant.com

E-Mail: info@chavant.com



www.facebook.com/Chavantclay



www.instagram.com/chavantinc



www.pinterest.com/chavantinc



www.linkedin.com/company/chavant-inc

Chavant is dedicated to manufacturing the finest modeling products in the world. It is our goal to educate and technically support clients. Thank you for the opportunity to offer these services.



ACMI sponsors a certification program for art materials, certifying that these products are non-toxic and meet voluntary standards of quality and performance. www.acminet.org