



Made In USA

CONTOUR™ CLAY

Sulfur-Free Modeling Clay

Chavant™ Contour™ Clay (an updated variation of Monu-Melt™ Clay) is a versatile non-drying modeling clay that offers the following advantages:

- *Buttery Smooth Hand Feel*
- *Ideal For Troweling/Spreading On Vertical Surfaces*
- *Brushable Into Silicone Molds*
- *Solvent Friendly*
- *Seamless Blending/Feathering*
- *Holds Ultra-Fine Detail*
- *Sulfur-Free*
- *Sculpting Tool Friendly*

PRODUCT OVERVIEW

Contour™ Clay is a precision sculpting medium that shapes, smooths, and carves easily to hold exceptional surface detail. **Contour™ Clay** can be hand sculpted or tooled and applied to armatures of any size from tiny miniatures to giant monuments and memorials. **Contour™ Clay** scales up beautifully without sacrificing crisp edges or quality. The warm gray color helps facilitate viewing profile lines and surface textures when sculpting. Ultra-Fine detailing is most effective with room temperature clay (72F/23C).

Due to its higher temperature resistance, the **Contour™ Clay** Series will resist deformation when working in warmer studio environments for year-round sculpting projects. When softened this clay series has a buttery smooth consistency similar to sulfur-clays but remains silicone friendly for moldmaking. Warmed **Contour™ Clay** is easily spread or troweled onto carved EPS foam and mixed material armatures for use as a shapeable coating.

GENERAL PROCESSING RECOMMENDATIONS

WORKING WITH THE CLAY

Contour™ Clay is not self-supporting, so an armature may need to be constructed for figurative work. Traditional wood, plastic, metal, and silicone clay tools are recommended for working with the clay. Heated tools (such as a wax pen) or warmed tools can be used with the **Contour™ Clay** series however these clays do not liquify with application of heat.

SMOOTHING THE CLAY SURFACE

Clay scrapers and rake tools are often used to initially make the clay surface uniform. **Contour™ Clays** are very solvent friendly; solvents such as naphtha, clear mineral spirits and turpentine are aggressive solvents which can be used to quickly soften and dissolve the surface. Citrus based solvents such as D-limonene can also be used but may cause inhibition when molding the clay using silicone rubber.

TECHNICAL OVERVIEW

Colors:



Warm Gray

Durometer / Hardnesses:	Soft	19 A
	Medium	24 A
	Hard	34 A

Tack Level: Low Tack

Wax Content: Medium

Density:	Soft	97 lbs/cu.ft.
	Medium	97 lbs/cu.ft.
	Hard	97 lbs/cu.ft.

Specific Gravity:	Soft	1.55 g/cc
	Medium	1.55 g/cc
	Hard	1.55 g/cc

Softening Temp:	Soft	135°F/57°C
	Medium	140°F/60°C
	Hard	145°F/63°C

Trowelable Temp:	Soft	170°F/77°C
	Medium	170°F/77°C
	Hard	170°F/77°C

Brushable Temp:	Soft	185°F/85°C
	Medium	185°F/85°C
	Hard	185°F/85°C

Max Temp: 185°F/85°C

Packaging: 2 lb. blocks (.907 kg.)

CLEAN UP

Contour™ Clay can be cleaned from tools & surfaces with Naptha or 99% Isopropyl alcohol. Clay can bond to fabrics & stain clothing.



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GENERAL PROCESSING RECOMMENDATIONS CONTINUED...

99% Isopropyl alcohol can be used to smooth the clay surface if a less aggressive solvent effect is desired.

NOTE: If isopropyl myristate is used on the surface of **Contour™ Clay**, the surface will remain soft and will not return to the original hardness.

MAKING A SLIP OR SLURRY

Solvents such as naphtha, clear mineral spirits and turpentine can also be used to dissolve the clay to a workable slip or slurry. This liquid solution can then be used to create texture effects, join clay together, or coat clay surfaces.

Contour™ Clay cannot be heated to a pourable liquid state. Warmed **Contour™ Clay** can be brushed into silicone molds to create castings.

SOFTENING

TROWELING

BRUSHING

Heating Equipment Options

- Temperature Controlled Crock Pots®
- Scientific/Laboratory Oven
- Hot Box With Conventional Temperature Monitor
- Warming Oven Dedicated For Clay Only (*Do Not Use Home Oven*)
- Microwaves Are **NOT** Recommended Due To Uneven Heating And Potential Burning.

SOFTENING THE CLAY

Contour™ Clay is most often warmed to a temperature (**Soft** = 135°F/57°C; **Medium** = 140°F/60°C; **Hard** = 145°F/63°C) to soften it. When it returns to room temperature it also returns to the initial firmness.

TROWELING THE CLAY

Contour™ Clay can also be heated to a state soft enough to be spread across a surface. (**Soft** = 170°F/77°C, **Medium** = 170°F/77°C; **Hard** = 170°F/77°C) As these temperatures are very hot and can cause burns, a metal trowel (or similar spreader) is needed to apply the hot clay safely. When troweling, a clay can be spread easily across a vertical armature surface with minimal to no slumping in a ¼ inch thickness (1.27 cm).

BRUSHING THE CLAY

Contour™ Clay at (**Soft** = 185°F/85°C; **Medium** = 185°F/85°C; **Hard** = 185°F/85°C) is considered the brushing temperature of the clay. This temperature produces a lower viscosity (thinner) clay, suitable for initial coating on armatures or other surfaces that can be applied with a brush. A small scale test against surfaces to check for suitability is always recommend.

SHELF LIFE

Unopened: stored at room temperature away from sunlight or sources of UV, it will have a shelf life of 2 years. See chavant.com for details

Opened: over time, clay exposed to air will oxidize and the surface may eventually dry out. Once opened, place clay in airtight container or wrap completely in plastic wrap and store away from sunlight or sources of UV.

SAFETY FIRST

Keep Out Of Reach Of Children

Avoid overheating the clay, results in serious burns to the skin. Wash hands after use.

The Safety Data Sheet (SDS) for this or any Chavant product should be read prior to use and is available upon request from Smooth-On. All Smooth-On products are safe to use if directions are read and followed carefully.

Important: The information contained in this bulletin is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained from the use thereof, or that any such use will not infringe upon a patent. User shall determine the suitability of the product for the intended application and assume all risk and liability whatsoever in connection therewith.