



Made In USA

J-525™

Firm • Sulfur-based • Non-Drying Industrial Clay

Chavant™ J-525™ Sulfur-Based, Industrial Styling clay is primarily used by product designers & modelers for the creation of automotive, marine, aerospace and consumer product models. Artists occasionally use these clays for high detail artwork, when a firmer clay body is desired or if they want to incorporate various shapes normally seen in transportation design into the sculpture.

GENERAL PROCESSING RECOMMENDATIONS

WORKING WITH THE CLAY

J-525™ clay is normally applied to an armature at its softening temperature then refined further at room temperature after clay has cooled. **J-525™** has excellent adhesion and cohesion properties and can be applied in layers that easily bond to themselves.

SMOOTHING THE CLAY

Industrial clay tools are often used to smooth out the clay surface and make it uniform. Due to of the hard nature **J-525™** the clay can be polished to a high sheen. The clay can be carved, extruded, and slicked to an extremely smooth surface. Although it is possible to machine these clays caution should be observed as the sulfur in the clay can affect delicate electronic circuitry.

SOFTENING THE CLAY

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J-525™ is warmed to a temperature of 145°F/63°C to soften it. When returned to room temperature the clay also returns to the initial firmness.

Accepted Heating Equipment

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

Sulfur-Based clay will discolor clay warming equipment & can build up (crystallize) on the interior of clay warmers & industrial ovens over time.

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.

CLEAN UP

Clay can be cleaned from tools and surfaces with naphtha or 99% Isopropyl alcohol. Clay can bond to fabrics and stain clothing.

TECHNICAL OVERVIEW

Color:



Light Brown

Durometer / Hardnesses: 42A

Tack Level: Low Tack

Wax Content: Low

Density: 97 lbs/cu.ft.

Specific Gravity: 1.55 g/cc

Softening Temp: 145°F/63°C

Packaging: Deaired 2.5 lb. Billets (1.13 kg.)
20 Pieces Per Net 50 lb. Case (22.65 kg.)
Non-DeAired 2 lb. Block (.90 kg.)
20 Pieces Per Net 40 lb. Case (18 kg.)

Billet Size: Approximately 2.5 x 12 inch
(63 mm x 305mm) Cylinder

Heat Resistant Gloves Are Recommended When Handling Clays At Higher Temperatures

SAFETY FIRST

Keep Out Of Reach Of Children

Avoid overheating the clay, results in serious burns to the skin. **These clays** contains sulfur, which may cause a stinging sensation in the eyes if brought into direct contact with the eyes. 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.



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