



# CASE STUDY



## About Tripoli

Tripoli powder is a non metallic, natural mineral powder that is insoluble in water. The fine grade has traditionally been used by polishers, jewellers, and furniture restorers for decades to polish out brush marks, blemishes and minor imperfections on finished surfaces like varnish and lacquer finishes. Also used for polishing materials like Ceramics, Porcelain and non ferrous metals like Bronze, Brass, Copper, Silver, Gold, and to polish resins and hard plastics.

### Rose Tripoli

The medium grade rose tripoli powder is used to polish Stainless Steel, Chrome, Aluminium and similar metals.

### Cream Tripoli

The cream tripoli powder is used on highly polished wooden surfaces.



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## American Tripoli Various Grades

American Tripoli produced in various grades of fineness and has the property of unusually high oil absorption.

**(Air Float Cream)**



**(Air Float Rose)**



**(Double Ground Cream)**



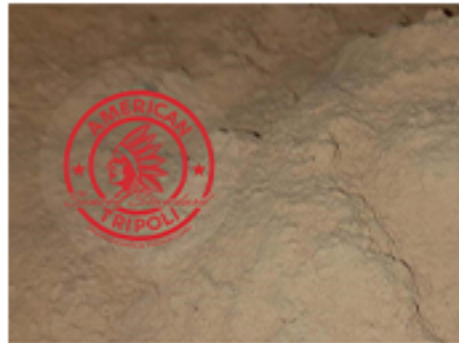
**(Double Ground Rose)**



**(Once Ground Cream)**



**(Once Ground Rose)**



**(Premium Cream)**



**(Premium Rose)**



Tripoli is silica in a very finely-divided state. The individual particle is exceedingly small ranging from 0.002mm-0.01mm in diameter. In general, tripoli is even-textured and finely porous; the particles are irregular in shape. The color varies from pure white through cream, yellow, brown, rose, and red caused by iron dioxide.



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## American Tripoli Various Grades

It is very soft, particularly when wet and may easily be reduced to powder by the fingers. The dry powders, even though crushed only by the fingers, will easily pass a 100 mesh sieve, and a small amount will pass 200 mesh. When dry, it is very light and the specific gravity varies between 2 and 3.

(Rose 45)



(Cream 45)



(Rose 30)



(Cream 30)



(Rose 15)



(Cream 15)



(Rose 10)



(Cream 10)





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# American Tripoli provides solution for your polishing, buffing, and other most challenging applications.

### The Challenge

Buffing and Polishing is done using different abrasives. The process is done via several stages including removing imperfections and marks and stains.

The challenge is to achieve extremely smooth and leaving a clean shiny surface with a significant specular reflection.

### The Solution

The type of abrasive used depends on the strength of the metal or wood. For example our rose-colored tripoli with its iron oxide content will be slightly more aggressive than cream-colored tripoli. (You can contact our support at [info@americantripoli.com](mailto:info@americantripoli.com) for more information)

### The Result

The most outstanding characteristics of our tripoli products among other polishing compound is that, its individual particle is soft, porous, and has a fibrous structure with no sharp edges or corners.

As a result, our soft abrasive powder which can be used towards the end of the finishing process will create a smooth and clean finish.

#### References:

(n.d.). *Seneca Standard Tripoli Manufacturer*. <https://americantripoli.com/wp-content/uploads/History-of-SENECA-STANDARD-tripoli-report.pdf>

Spain, E. L., Vestal, F. E., Davis, F. A., Johnson, M., & Eckel, E. C. (1938). *Tripoli deposits of western Tennessee and Mississippi*.

### American Tripoli Background

- Mining company that manufactures cream, rose tripoli, sandstone, fill dirt, and creators desiccant powder.
- 11- 50 employees
- Established in 1869

### Project

Developing right solutions through the use of our products to produce new products in a variety of industries.

### Industries

Agriculture, Ceramics, Constructions, Cosmetics, Glass, Filtration, Foundry, Fracking, Paints, Sport & Leisure, Metals, Medical, Woodcrafters, Cleaners.