



Factor II, Incorporated

Inventing and Innovating...

(Information: 1.928.537.8387)

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EXTRINSIC COLORATION

Historically there are numerous solutions to the final extrinsic coloration process necessary to create a final seal over the intrinsic coloration applied to silicone prosthesis.

Factor II, Inc. has always been an advocate of sealing an addition cured silicone based prosthesis with the same material the prosthesis is manufactured from which we still believe to be applicable in the field.

This has the advantage of the final product being made of one consistent chemically compatible material without the possibility of contaminating the silicone.

There are however certain restrictions to this process, which at times will call for an alternative action plan. Which is still an effective process with most Silicone Elastomers. This is due not only to the various silicone that are chosen for the prosthesis, but also the additives which may effect the bond to the base silicone elastomer.



On completion of the extrinsic coloration to the patient's satisfaction, it is necessary to seal the coloration with silicone.

A-564 has been proven to be an excellent sealing silicone with extremely high adhesion properties. This one part acetoxy silicone elastomer has a lower viscosity than the typical acetoxy systems on the market. Low viscosity, low durometer of 28, high tear of 100 ppi. The A-564 is translucent and possesses elevated cohesive properties, bonding silicone to silicone.

The first step is to prep the surface, wipe the appliance with a thin wash of acetone to eliminate any residual mold release or topical oils from handled and debris from cleaning the seams (grinding). The prosthesis is then painted using FE extrinsic colors; this is similar water coloring a surface. Once the coloring is satisfactory, it is ready to be sealed. Cleanliness is imperative, once the prosthesis is preped do not handle it again.



The prosthesis is painted with the TS-564 solution.

This is carefully applied so as not to disturb any of the extrinsic coloring. This thin layer will cure in a reasonably short time. A little heat and humidity will accelerate this process.



The TS-564 is a diluted version of the A-564 this creates a very tenacious sealant, which is being applied over extrinsic painting this however may create a glossy surface which is typically not desired and must be taken one additional step to establish a matte finish.



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Matte Finish

Once the layer of TS-564 is dry to the touch, a very thin additional layer of A-564 is now applied, this layer is matted using slightly damp gauze, (the damp gauze will accelerate the set to the acetoxo surface, and texture the surface) it is very important to keep the layer of silicone thin. Ensure that there is no water visible on the silicone.



The final step is to agitate the bottle of MD-564 pour 10 gms into a polypropylene mixing container by weight, add 2 gms of A-564 to the MD-564 as a curing agent mix together until the A-564 dissolves into a solution. The final step is to paint a thin coat of this mixture onto the surface to matte any gloss that may have been created in the sealing process.

Avoid touching the surface of the prosthesis as this result in blemishes after curing.

If a “frosted” look is noticed then the layer of MD-564 is too thick. Remove the layer with ETF fluid and reapply only thin layers.



Proceed to cure the silicone, once cured wash the prosthesis with clear soap and water, dry and the prosthesis is ready for delivery.

With the tests we have run to date we feel very strongly that the A-564, the TS-564, and the MD-564, will be an improvement over conventional sealing techniques especially in the application of the new VST series of silicone elastomers and the existing condensation silicone elastomers currently being used. All feedback on the practical use of this product, will be welcomed and appreciated, as we try to improve on its properties and uses!!

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Warning About Product Safety:

Factor II, Inc. believes that the information and data contained herein is accurate and reliable: there is a certain degree of sophistication required to accomplish the process outlined in this document. It is the user's responsibility to determine suitability and safety of use for these materials

The outlined procedure with the new the 564 (series) are still in the experimental stage and Factor II cannot take any responsibility for mismanagement on behalf of the user. We are actively in the process of testing this product clinically.