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Dynasolve 750 Testing

Purpose: To determine suitable conditions in which Dynasolve 750 will consistently remove the new blacktopping from a counterfeit device while not damaging the factory top-coating on an authentic component.



Dynaloy Dynasolve 750

Dynasolve 750 is used for dissolving cured urethanes, silicones, anhydride-cure epoxies and photo-resist films.



Parameters Tested

Samples of similar authentic and counterfeit devices were soaked in Dynasolve 750 at 5 degree intervals between 80 – 180 degrees Celsius for a maximum of one hour per temperature setting.



Conclusion

Our results found that Dynasolve 750 pre-heated to 105 degrees Celsius consistently removed the new blacktopping from counterfeit devices when soaked for 45 minutes.

When these same test conditions were performed on exemplar devices we saw no removal of the factory topcoat.





Sample 1/2 soaked for 45 minutes in Dynasolve 750 @ 105 degrees Celsius – the new blacktopping was completely removed to expose the sanded surface



Counterfeit Device



Exposed Sanded Surface



Counterfeit Device



Treated Area

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Untreated Area

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Sanding Marks Clearly Evident

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**Damage was caused to a known good device
when 1/2 soaked for 45 minutes in Dynasolve 750
at a temperature of 140 degrees Celsius**



Exemplar Device



After Dynasolve 750 Testing

**Sample 1/2 soaked for 45 minutes in Dynasolve 750 @
105 degrees Celsius – No topcoat removed**



Exemplar Device



After Dynasolve 750 Testing

**Both Samples 1/2 soaked for 45 minutes
in Dynasolve 750 @ 105 degrees Celsius**



**Exemplar
Device**



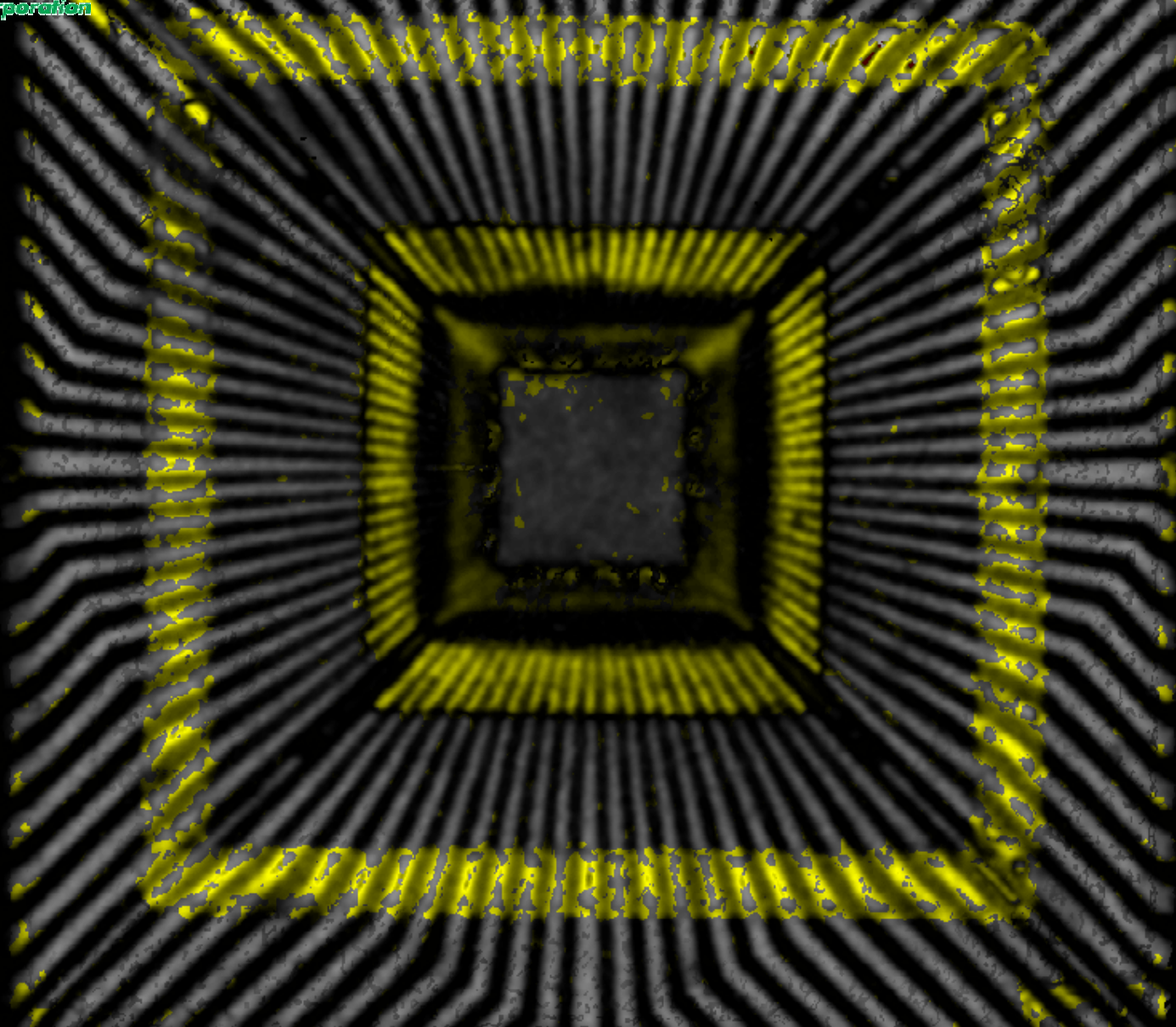
**Counterfeit
Device**



**This test procedure
should be considered a
destructive test as
demonstrated by these
C-SAM images.**



Before Dynasolve Soak





After Dynasolve Soak

