

Federal Specification TT-C-520B Section 3.4.7 Fire Resistance

Tectyl 2102HP Lot Number M391425

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Purpose

- The purpose of this test was to check the Fire Resistance of Tectyl 2102HP ran in accordance with Federal Specification TT-C-520B Section 3.4.7.
- Three 4x12" panels were sprayed with a yellow handled Schutz gun to a dry film thickness of 6 mils and allowed to dry before test was run.
- Panels were then set on bench for 1 hour then placed vertically in 150°F oven for 4 days.



Panel Before Test

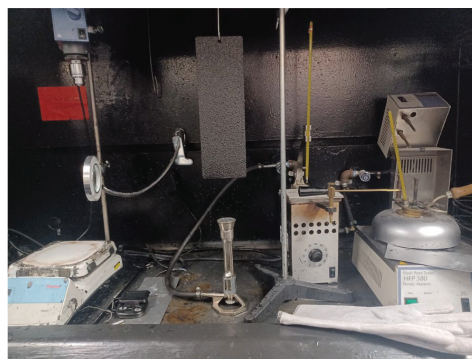
Procedure

- A panel was suspended vertically in a hood with a Bunsen burner underneath with the lower end of the panel about 2 inches from burner so the panel would be about an inch in the flame.
- Panel was allowed to be in the flame for 20 seconds then removed from flame.
- After being removed from flame, observe the time it takes the flame to self extinguish.
- To pass, it must extinguish within 15 seconds.

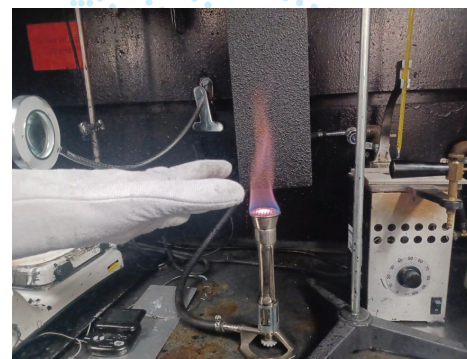
Pictures of Test Set-up and Run



Test Set-up



Test Set-up



Test Running



Test Running



After Flame Removal

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Conclusion

- The test procedure states the material passes if it self extinguishes in 15 seconds or less. The test was ran 3 times and it self extinguished on average for 1.3 seconds.
- This material, Tectyl 2102HP passes Federal Specification TT-C-520B Section 3.4.7 Fire Resistance Test.



Example of 1
Panel After
Test