



## Technical Data Sheet

### FS-595-27038 Federal Standard 27038

**Description:** *FS-595-27038, Federal Standard 27038* is a thermosetting powder coating based on a Special PTFE Polyester resin/binder system, which is designed for interior or exterior applications.

**Typical Applications:** Functional finishes

<b>Typical</b>	Film Thickness (ASTM D)	2.0 – 3.0 mil
<b>Physical Properties:</b>	Gloss 60°angle (ASTM D-523-89)	40% +/-
	Hardness (ASTM D-3363-92A)	2H
	Flexibility (ASTM D-1737-89)	1/8 inch
	Adhesion (ASTM D-3359-95A)	5b (100%)
	Impact Direct/Indirect (ASTM D-2794-93)	160/160 inch-lb.
	Exterior Durability	Excellent
	Salt Spray (ASTM B117)	1,800Hrs+ < 3mm
	Specific Gravity (average)	1.34±0.03

**Application Data:** *FS-595-27038, Federal Standard 27038* is to be applied with a corona electrostatic powder spray gun, between 30kv – 100 kV.

**Cure Schedules:** *FS-595-27038, Federal Standard 27038* can be cured in a direct or indirect gas convection oven, an electric oven, or an Infra-red. A combination of any of these ovens is also suitable.

Standard Cure: 15 Minutes @ 390°F Peak Metal Temperature

**Storage Notes:** Product should be stored at temperatures below 80°F, in a dry area away from any heat source.

Please refer to the MSDS for safety information.

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7261 Bryan Dairy Rd.  
Seminole, Florida 33777  
Tel. (727) 851 9815  
Fax. (727) 327 5333

[www.allpowderpaints.com](http://www.allpowderpaints.com) Email: [info@allpowderpaints.com](mailto:info@allpowderpaints.com)