



Highlights

PPG ENVIROCRON® LUM powder coating is a proprietary and patent-pending breakthrough technology designed to reflect light back to its source. This innovative single layer solution combines the safety benefits of retroreflectivity with the strength, durability and sustainability of powder coating.

Available in a wide range of custom colors, PPG Envirocron LUM is formulated to create a smooth, impact and mar resistant surface capable of withstanding harsh exterior environments.

Product Features

- Embedded glass beads provide retroreflective properties
- Reflects light to aid in nighttime visibility
- Available in a wide range of colors
- Exterior durability
- Excellent chemical resistance
- Excellent mar and scratch resistance
- Patent pending technology

Technical Properties

Property	Test Method	Value
Color		Retro Reflective Black
Appearance		Smooth
Gloss	ASTM D-523-94	13 - 20 @ 60°
Adhesion	ASTM D-3359-97	100% (5B Pass)
Hardness	ASTM D-3363-92	2H Pencil (Eagle)
Impact Resistance	ASTM D-2794-93	40 In.-lbs. Direct-No Flaking 40 In.-lbs. Reverse-No Flaking
Conical Mandrel	ASTM D-522-93	1/4" - No Flaking
Salt Spray	ASTM B-117-97	1000 Hrs. Pass
Humidity	ASTM D-2247-99	100F, 100% RH - 1000+ hours

Film Properties were determined using 2.5 - 4.0 mils powder film over 22 gauge (0.032") cold rolled steel B1000 test panels.

Application Data

Application Type:	Electrostatic Spray
Recommended Bake:	10 Minutes at 400 °F Metal Temperature See Cure Curve PCU-028
Specific Gravity:	1.76 ± .05
Theoretical Coverage:	109 Sq. Ft. per pound at 1.0 mil
Shelf Life from Date of Manufacture (@40-60% RH):	77 °F Maximum - 12 Months

*PPG recommends that all material be used in FIFO order (first in - first out).
Materials that exceed the recommended shelf life should be tested prior to use.*



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