UNIVERSAL®
LIGHTING SYSTEMS

Powder Coating Benefits

Environmentally Conscious

- Powder can be easily recovered in the manufacturing process, with zero to little waste.
- Biodegradable in its powder state.

Sustainable Paint

- Thickness determines resistance to corrosion.
- Powder coating not only lasts a lot longer, but it can be applied more thickly.

Salt Spray Approved

- Powder Coats are Salt Spray test approved to better resist corrosion.
- *Hard to Reach, No Issue*, because of the electrostatic feature of the powder paint, it has a magnetic adhesion to all nooks and crannies of the fixture and even gets thicker around the edges where it's needed most.
- TGIC powder can resist UV rays, so it won't bleach as easily in the outdoors.

UNVLS powder coated finish in Black

UNVLS powder coated finish in Bronze

Baked Enamel Issues

Environmentally Irresponsible

- Baked enamel is far less environmentally conscious. With a liquid application of paint, anything that is sprayed drips, and any overspray becomes a waste product that has to go somewhere, typically down the drain.
- Baked Enamel uses a solvent carrier to convey the paint to the substrate. Unfortunately, the elimination of the solvents during the curing process results in hazardous air pollution.

Paint Inconsistencies

- Baked enamel is applied as a liquid it cannot deliver the ideal paint thickness of 2 to 3 mil and is typically limited to only .5 to 1.0 mil of thickness. Corrosion can happen right away with this insufficient paint.

Verdict

- Powder Coatings offer a superior bond to the fixtures because of the material and process. Even if scratched the surface won't get worse and will prevent corrosion from getting under the paint layer.
- Powder coating prevents corrosion because it is melded to the fixture at the substrate level because of the application process.
- Baked enamel is inferior because it fails to expand and contract with heat and cold weather allowing for fragmentation of the enamel on the surface of the fixture.
- Baked enamel acts like a sheet of material that rests on the surface of the fixture and is easily flaked into chips.
- Simply put powder coating has the upper hand as its process is electrically bonded to the fixture itself.