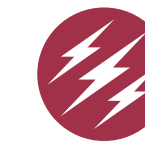
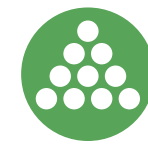


PPG General Industrial Finishes: Coatings Technology Guide



Products for many general industrial segments

PPG has identified twenty-four general industrial end-use segments and developed this guide to help you identify the types of relevant coatings and products we have to offer for each. Please contact PPG for more information about these products or to discuss your requirements for specific applications and segments not shown in this chart.

Segment	Description	1K Acrylic	1K Alkyd	Vinyl	1K Melamine Acrylic	Asphaltic Emulsion	Polyurethane	2K Epoxy	2K Segmented Polyurethane (SPU)	2K High-Performance (HP) Urethane	2K Zinc-Rich	2K Phenolic Alkyd	1K Alkyd Primers	1K Acrylic	1K Alkyd	1K Melamine Acrylic	1K Alkyd Melamine	2K Segmented Polyurethane (SPU)	2K Urethane Direct-to-Metal (DTM)	1K Alkyd	1K Alkyd Melamine	1K Polyethylene (PE) Melamine	1K Acrylic / Melamine	1K Melamine Acrylic	1K Acrylic	2K High-Solids-Content Urethane	
Light-Duty Equipment	Smaller machines; conveyor / packaging equipment, air compressors, pumps, lawn / garden, mixing equipment; exhaust / cooling fans, motors, generators, metal valves, extruders, scales / balances, tool and die, welding, laser cutters, elevators, escalators	✓					✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓			✓	
Pipe & Tube	Oil, gas, water, sewage, drainage pipe / tubes, structural / mechanical, seamless steel pipe / fittings	✓	✓	✓	✓									✓	✓	✓				✓							
Electrical	Sub-station, transformer (power / pad mount or pole / distributor), electrical switch gear, commercial and residential lighting						✓	✓	✓	✓	✓	✓	✓	✓				✓									
Machinery	Manufacturing plate machines / motors, radiators / ovens, generators / compressors / pumps, print presses, vending machines	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓				✓									
Miscellaneous Construction	Garage doors, rebar, rail / fence (wrought iron), roof tiles, trash cans, benches, lawn / garden furniture	✓					✓	✓	✓	✓	✓	✓	✓	✓				✓								✓	
Wire	Wire used as magnets or in decorative items, fencing, screening, electrical items or strapping			✓			✓	✓	✓	✓	✓	✓	✓	✓				✓								✓	
Metal Enclosures	Toolbox, shipping / packaging containers, vending / ATM, video / casino kiosks, fire pits, grills, cylinders, ocean transport, lockers						✓	✓	✓	✓	✓	✓	✓	✓				✓	✓							✓	
Highway Systems	Guardrails, traffic lights or traffic paint														✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Medical / Dental	Furniture, instruments, machines, equipment or mobility aids used in medical or dental environments																									✓	
Military	Vehicles, parts, ammunition, ordnances in military environments																	✓			✓	✓	✓	✓	✓	✓	✓
Miscellaneous	Coatings not covered in any other segments or pure job shops not specific to other segments	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glass Coatings	Mirrors, decorative or specialty glass																									✓	
Metal Fixtures	Home or commercial metal bathroom or kitchen fixtures, door components, drapery / blinds hardware						✓	✓	✓	✓	✓	✓	✓	✓				✓	✓							✓	
Sports & Recreation	Bats, sticks, balls, skis, hoops, goals, scoreboards, helmets, fishing, playground, treadmill, weights					✓	✓	✓	✓	✓	✓	✓	✓	✓				✓								✓	✓
Fasteners	Fasteners, including auto parts and accessories, construction, aerospace, heavy-duty equipment, consumer electronics, appliance or others						✓	✓	✓	✓	✓	✓	✓	✓				✓								✓	
Small Appliance	Small, portable appliance manufacturing, countertop items, personal appliances (hair dryers), vacuums						✓	✓	✓	✓	✓	✓	✓	✓				✓								✓	✓
Plastic & Rubber Parts / Components	Plastic and rubber substrates for various end uses					✓	✓																			✓	✓
Caskets	Caskets						✓	✓										✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Marine	Interior wood, brackets, hinges or netting used in marine environments						✓	✓	✓	✓	✓	✓	✓	✓				✓								✓	
Tools	Hand tools (hammers, screwdrivers; whether manual, battery or electric)						✓	✓	✓	✓	✓	✓	✓	✓				✓								✓	
Fabric / Textiles	Clothing or shoes (either decorative or functional)																									✓	✓
Solar	Solar panel modules, support structures, other miscellaneous components																									✓	✓
Trailer Hitches	Trailer hitches and components						✓	✓	✓	✓	✓	✓	✓					✓								✓	✓
Custom Apparel	Jewelry, glass frames, handbag accessories, pens, cosmetic containers																									✓	✓

LIQUID COATINGS																								POWDER COATINGS												ELECTROCOAT	PRETREATMENT AND ENGINEERED PRODUCTS													ULTRAVIOLET AND ELECTROBEAM COATINGS																																																											
Primers						Topcoats						Clearcoats		Primers	Topcoats						Clearcoats	ELECTROCOAT	Spray or Immersion Cleaners			Pretreatments				Engineered Products				100% Solids Direct-to-Metal (DTM)	100% Solids Filler	Solventborne Wood Primer / Topcoat	Waterborne Wood Topcoat	Solventborne Plastic Hardcoats	Solventborne Metallizing Base & Topcoats																																																																						
Waterborne			Solventborne			Waterborne			Solventborne			Waterborne			Solventborne		Epoxy		Polyester				Epoxy / Polyester Hybrid		Direct-to-Metal (DTM)		Epoxy (Rare Due to No UV)		Polyester		Epoxy / Polyester Hybrid		Urethane							Acrylic		Acrylic / Epoxy		Silicone (High-Heat Exposure < 660° F)		Fusion-Bonded Epoxy		NSF 51 and/or 61*		Anti-Microbial-Protected**		Food Contact***		Polyester		Urethane		Epoxy / Polyester Hybrids		Polyurethane		Acrylic		Anodic Acrylic		Anodic Epoxy		Cathodic Acrylic		Cathodic Epoxy		2-Coat E-Coat (Epoxy / Acrylic)		All Steel		Mixed Metals		Aluminum		Magnesium		Plastic		Solvent		Acid Cleaners / Descalers		Zinc		Zinc-Heavy		Iron		Spray Wand Iron or Cleaner Coater		Zirconium		Zirconium Spray Wand or Cleaner Coater		Chrome-Free Final Seal		Direct-In-Place Products		Plastic Treatment		Rust Preventatives		Polyurea	

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* Select powder coatings with NSF 51 and/or 61 certifications. Please contact a PPG representative for additional information.
 ** Anti-microbial is limited to the treated surface and does not protect against disease-causing bacteria. The use of these products does not protect users of any such treated article or others against food-borne or disease-causing bacteria, viruses, germs or other disease-causing organisms.
 *** Select powder coatings reviewed for indirect food contact use. Please contact a PPG representative for additional information.

