

IronArmor

and IronArmor FrameSafe

RELIANCE FOUNDRY
— SINCE 1925 —

Rich Color and Enhanced Protection

IronArmor is a breakthrough innovation that changes the way outdoor metal can be finished and protected.

Traditional finishes like paint and powder coat are made with resins. IronArmor introduces a less porous and more impact-resistant base material that resists weathering, graffiti, and chalking. Superb impact resistance protects against chips and scrapes, maintaining surface integrity and protecting against corrosion. Low-maintenance color, texture, and gloss keep your outdoor furnishings looking new for longer.

Benefits

- Formulated for outdoors: superior resistance to UV, salt, impact, and cold
- Graffiti resistant due to low porosity: less staining
- No volatile organic compounds
- Non-toxic even if burned
- Water safe
- Easy to repair onsite

Tested Performance

ASTM G 53	UV Resistance	2000 hours, no significant discoloration or change in gloss
ASTM B 117	Salt Resistance	2000 hours, no significant discoloration or change in gloss
ASTM D 2247	Humidity Resistance	1000 hours, no blistering or change in gloss
ASTM B 2794	Impact Resistance	>384 in-lbs or 43 joules
ASTM D 2240	Hardness Shore D	55
ASTM D 4060	Taber Abrasion	70-90 mg loss on CS 17 wheel
ASTM D 522	Flexibility	1/8 in, no cracks (>32%)
ASTM D 638	Elongation	498%

Frame Safe

IronArmor FrameSafe is an option designed specifically for bike racks and bike bollards. These items are designed to be bumped and scraped by parking bicycles. When FrameSafe is applied, it helps protect the frames of bicycles parked against it, by adding an extra cushioning layer of IronArmor. Apply IronArmor to protect your bike rack, and FrameSafe to protect the bicycles that use it.

Warranty

IronArmor and IronArmor FrameSafe are under warranty against cracks, peeling, or significant discoloration for 5 years. For extra peace of mind, extend your IronArmor warranty with Reliance+ to 10 years.

