

*“Special-Lite’s superior door materials,
combined with traditional craftsmanship
and state of the art engineering, substantially
extends the lifecycle of your entrances.”*

– Henry L. Upjohn II, CEO
Special-Lite, Inc.

CORROSION

**PITTING
SURFACE RUST
CREVICE CORROSION**

Corrosion Resistant Solutions

Including: *Hurricane, Ballistic & Blast Doors*



Better Materials & Better Design

The Special-Lite approach to producing entrance systems is unique in the industry.

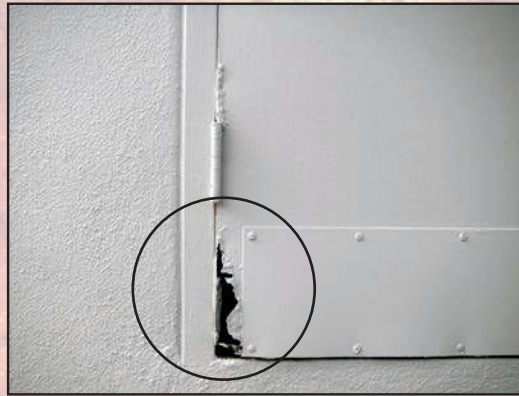
We combine the best aspects of traditional hands-on craftsmanship, materials, innovative design, and advanced technology to make the toughest, longest-lasting doors in the industry.

The high quality of our doors and framing is the result of top notch materials, individual craftsmanship, attention to detail, and a personal commitment to quality.

100% USA Manufactured

Entrances don't stand a chance!

Attacks can take the form of surface rust, galvanic corrosion, pitting, crevice corrosion, and stress corrosion cracking. Corrosion can start in hidden areas like joints, overlaps, fastener penetrations, and interiors, where it can't be stopped. Fortunately, there's a better way to solve deteriorating entrance problems.



Corner of hollow metal door – rusted away.

Engineered and built with materials that resist corrosion.

Special-Lite® Doors and Frames offer a way to combat corrosive environments by using materials that hold up to moisture, corrosive gases and liquids.

Since fiberglass is rust, rot and corrosion resistant, our products are ideal for corrosive environments that quickly destroy even stainless steel doors. These include industrial facilities where regular sanitization is required, such as clean rooms, pharmaceutical manufacturing, and food processing, as well as locations that by their nature are inherently corrosive to steel doors, such as petrochemical plants, pulp and paper mills, wastewater treatment facilities, and marine applications.



Special-Lite® All-Fiberglass Products are FDA/USDA Compliant.
Refer to website, special-lite.com, for information on all Special-Lite products.



Environments Prone to Corrosion:

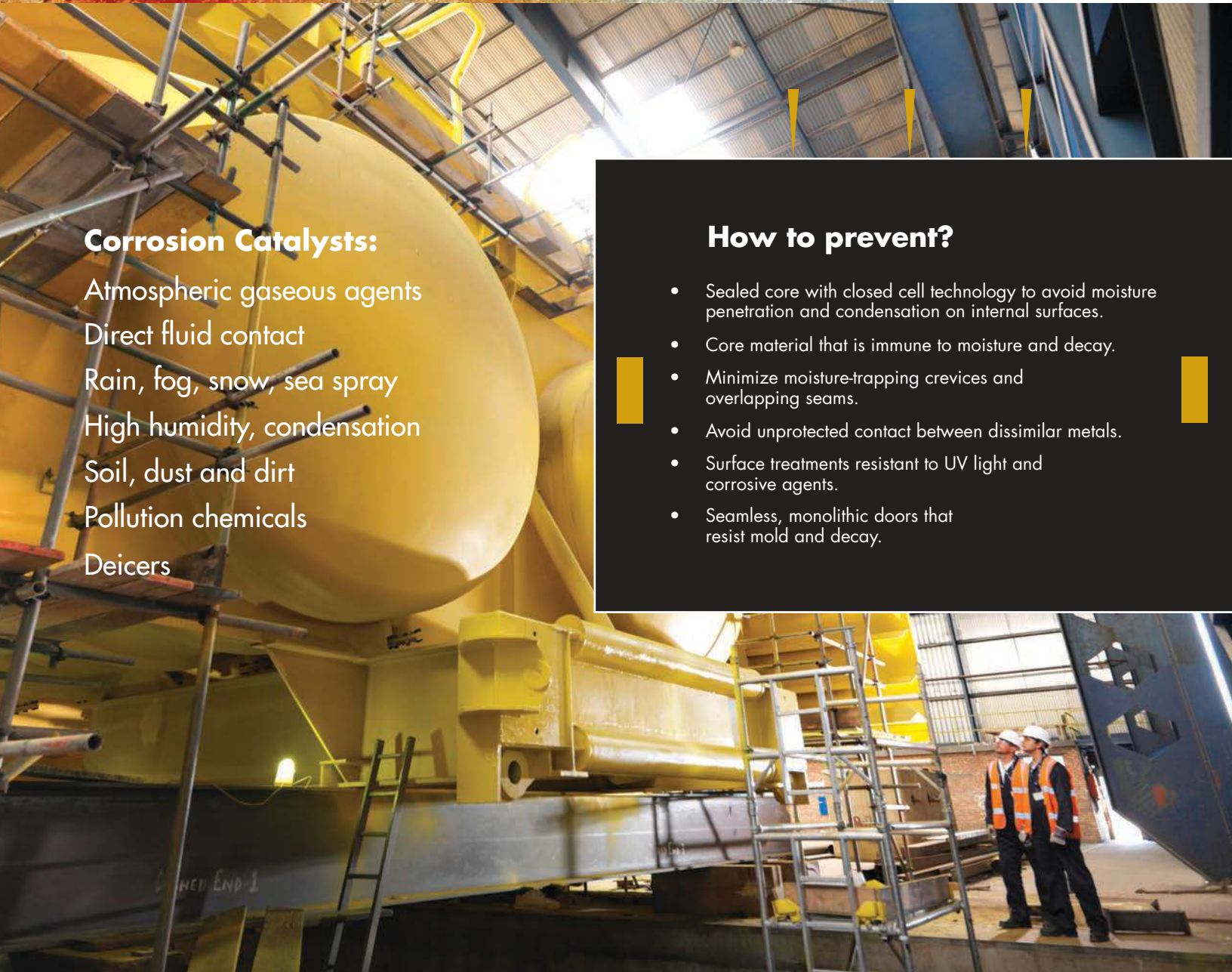
Water Treatment Plants	Pools/Shower Areas
Industrial Plants	Boiler Rooms
Food Processing Plants	Pump Houses
Animal Holding Facilities	Aquatic Parks
Coastal Areas	

Corrosion Catalysts:

Atmospheric gaseous agents
Direct fluid contact
Rain, fog, snow, sea spray
High humidity, condensation
Soil, dust and dirt
Pollution chemicals
Deicers

How to prevent?

- Sealed core with closed cell technology to avoid moisture penetration and condensation on internal surfaces.
- Core material that is immune to moisture and decay.
- Minimize moisture-trapping crevices and overlapping seams.
- Avoid unprotected contact between dissimilar metals.
- Surface treatments resistant to UV light and corrosive agents.
- Seamless, monolithic doors that resist mold and decay.



All-Fiberglass Doors and Frames

Engineered for Corrosive Environments

Get It Right the First Time!

When using hollow metal doors and steel framing, rusting and deterioration are inevitable. *Why not do it right the first time?*

It is much easier and cost effective to start with Special-Lite® Fiberglass Framing, than to install steel framing that will rust and degrade, resulting in endless repairs and replacement. Special-Lite Fiberglass Frames are available in all the standard frame profiles you are accustomed to, and will provide a long, maintenance free life.

Remember, the total investment of an entrance extends beyond your initial cost. The life cycle cost equals the cost of the product, all the maintenance (painting, sanding, repairs), and deconstruction costs that are involved with an entrance.

Avoid future "money pit" scenarios. *Do it right the first time and use Special-Lite® Fiberglass Doors & Frames!*



AF-100 Door



AF-220 Door



AF-150 Framing

AF Pultruded Door

- Class A rating
- AF-100 - Smooth Pultruded All Fiberglass Door
- Optional flush sealed bottom available (shown as open bottom for adjustability)
- Hermetically sealed - Easy to clean and sanitize
- 4 layers of glass fiber reinforcement and resin encapsulated to 1/8" at all door faces for great impact resistance
- High density, closed-cell foam core
- Finish is two-part polyurethane coating

AF Composite Door

- FRP face sheets:
 - AF-200 - smooth (primed or painted)
 - AF-217 - pebble grain (through-color)
 - AF-220 - sandstone-textured (through-color)
 - AF-219-1 - wood grain (stained or painted)
- 3 core choices:
 - EPS (expanded polystyrene)
 - Polypropylene honeycomb
 - Closed-cell foam core
- Pultruded FRP stile and rail construction
- Chemically welded face sheet

Fiberglass Framing

- Pultruded Fiberglass Frames
- Above industry standard fiberglass content for extreme strength and longevity

AF-150 Framing

- Class A rating
- Depths = 5-3/4", 6-3/4", 7-3/4", 8-3/4", 4-1/2" - 12" (factory adjustable)
- Corner Brackets are 4" x 4" x 3/8" FRP angle reinforced with 1/4" "L" brackets in 2" or 4" heads x frame interior depth

AF-250 Framing

- Depth = 5-3/4" - *immediate door frame only*
- Corner Bracket is 2" x 2" x 1/4" FRP angle in 2" x 4" heads x frame interior depth

Pultruded Fiberglass Accessories

- Fixed or Removable Center Posts
- Removable Rim Mullions
- Saddle or Bumper Thresholds



HURRICANE



FIRE-RATED



BLAST



BALLISTIC



INTRUSION

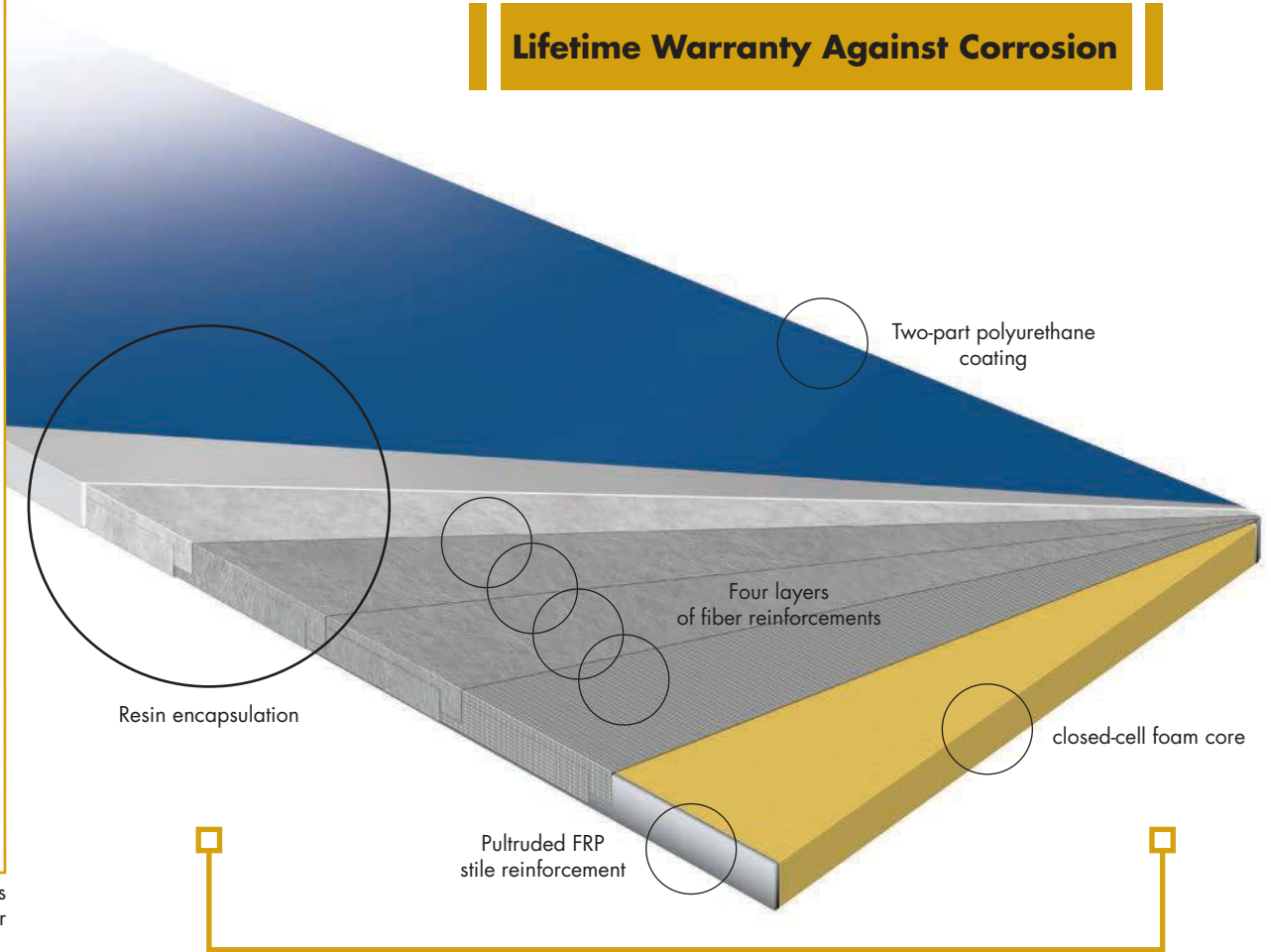
Fiberglass is rust, rot and corrosion resistant.



Lifetime Warranty Against Corrosion



AF-100 All Fiberglass Smooth Pultruded Door



Graphic shows key aspects of AF-100 door construction and unique features.

Tested and Proven Tough	AF-100	AF-217/220
AAMA 9201 1 Cycle Test/ANSI A250 Swinging Door Cycle	▲	▲
AAMA 1304 Forced Entry	▲	▲
Thermal Performance - U Value/R Value	.13U/7.42R	.18U/5.54R (closed-cell foam)
ASTM D 6670-01 Indoor Air (Greenguard Cert)	▲	▲
ASTM E 330 Uniform Static Load	▲	▲
ASTM E 331 Water Resistance	▲	▲
ASTM E 84 Surface Burning	▲	▲
ASTM F 1642-04, Blast Test	▲	▲
Florida Building Code approved	▲	▲



Special-Lite® All Fiberglass Products are FDA/USDA Compliant. Refer to website, speciallite.com, for information on all Special-Lite products.

FRP/Aluminum Hybrid Doors & Aluminum Frames

Engineered for Corrosive Environments

Decades of experience in a wide range of corrosive applications.

Special-Lite® Flush Doors have a long and proven history in corrosive applications. We've accumulated an impressive track record of reliability in the punishing environments of many industries.

Special-Lite's exclusive SpecLite3® FRP face sheets are scratch, scuff, and fade resistant. Compare that to the maintenance requirements of hollow metal doors, where you have to paint them before you even hang them, and periodically forever after.

Not only do the face sheets and 6063-T6 aluminum alloy stiles and rails with Class I anodizing offer excellent resistance to rust on the exterior of the door, but the foam core locks out all moisture so corrosion cannot attack from the inside out.



SL-20 Door

Special-Lite® FRP/Aluminum Hybrid Doors SL-17, SL-20, SL-18, SL-19 & SL-19-1 Doors

- FRP Face sheets are .120" thick
- SL-17 (pebble grain) & SL-20 (sandstone-textured) are available in through-color face sheets
- SL-18, SL-19 & SL-19-1 (wood grain option)
- Stiles & rails are extruded 6063-T6 aluminum alloy
- Mitered corner joints secured by angle blocks
- Full width 3/8" galvanized steel tie rods
- Poured-in-place polyurethane closed-cell foam core



SL-16 Door

Special-Lite® Aluminum Doors SL-16 Door

- Face sheets are .062" thick 5005 aluminum alloy
- Special .125" thick aluminum face sheet available
- Face sheets available in Class I anodized, painted, or custom finish options
- Stiles & rails are extruded 6063-T6 aluminum alloy
- Mitered corner joints secured by angle blocks
- Full width 3/8" galvanized steel tie rods
- Poured-in-place polyurethane closed-cell foam core



Aluminum Tube Frame

Special-Lite® Aluminum Framing

- Frame extrusions are 6063-T6 aluminum alloy with Class I architectural grade (.7 mil or greater) anodized, Kynar® painted finish, or custom finish options
- Corner joints secured with heavy-duty internal joint anchors
- Internally reinforced with aluminum bar stock at the closer, mullion, and locking strike attachment points
- Applied stop or flush glazed framing
- Thermally Broken Frame options



HURRICANE



FIRE-RATED



BLAST



INTRUSION

Extend the lifecycle of your entrances.



Monorail Cutout

Custom is the Nature of our Business

Special-Lite® specializes in unique configurations such as arched doors and transoms, odd sizes, unequal pairs, monorail cutouts, dutch or bi-fold doors and custom lites.



Oversized Doors



Dutch Doors

Custom Applications 



Unequal Pair Doors

Tested and Proven Tough	SL-17/20	SL-16
	AAMA 92011 Cycle Test/ANSI A250 Swinging Door Cycle	▲
AAMA 1304 Forced Entry	▲	
Thermal Performance - U Value/R Value	.29U/3.45R	.42U/2.4R (w/frame)
ASTM D 6670-01 Indoor Air (Greenguard Certified)	▲	▲
ASTM E 330 Uniform Static Load	▲	▲
ASTM E 331 Water Resistance	▲	▲
ASTM E 84 Surface Burning	▲	
ASTM F 1642-04, Blast Test	▲	
Florida Building Code approved	▲	▲

Simplify Your Life –

with entrance systems from Special-Lite.



Special-Lite Warranty

We stand behind our products with a 10-year, 100% parts and labor warranty. Plus, an additional limited lifetime warranty.

Ask your sales representative for a copy of our warranty statement, and compare it to what other supplier warranties actually cover after all of their exclusions and limitations. *You'll see that when you specify Special-Lite, you're really covered.*

Warranty
10
YEAR
100
%

Discover entrance systems with more life!

Whether you need an All Fiberglass, completely encapsulated door to allow for easy cleaning and sterilization, a FRP/Aluminum Hybrid Door with poured-in-place core and through-color face sheets to combat scratches, or an Aluminum Door that stands up to challenging environmental conditions such as high humidity or corrosive chemicals, *contact your local Special-Lite Representative for a personalized solution for your maintenance issues.*



Special-Lite, Inc.

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Item 1125-R3
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