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### Good Reasons to Specify Resolite FRP Panels

#### **CHEMICAL & CORROSION RESISTANT**

Resolite fiberglass reinforced polymer (FRP) panels remain virtually unaffected in many chemical environments. They will not rust, rot, scale or mildew. These panels are commonly specified for use as roofing and siding by industrial engineers. In many cases, they have replaced more conventional materials which have proved to be costly and ineffective in corrosive environments. Resolite panels have superior long term resistance to chemical and other corrosive conditions. Products such as Tred-Safe, CR Fire Snuf 25A, Fire Snuf 25A, and RFM panels (see following pages) are produced utilizing an isophthalic resin which is superior in corrosion resistance to orthophthalic resin systems.

#### **HIGH STRENGTH**

Resolite panels are strong, durable, and shatter resistant. They have a high strength to modulus ratio and therefore offer maximum performance coupled with a natural resiliency. Resolite panels are particularly effective in the high impact conditions and repeated (cyclic) loadings associated with normal wind storms.

#### **DIFFUSED LIGHT TRANSMISSION**

Resolite Fire Snuf 25A (FR) and Acryloy (Non-FR) panels are translucent panels that provide soft diffused transmitted light. You can also select from a number of colors and a range of light transmissions. And translucent Tred-Safe not only lets light in; it's strong enough to walk on.

#### **FIRE RETARDANT**

Tred-Safe, CR Fire Snuf 25A and Fire Snuf 25A all carry the Underwriters' 25 Flame Spread Rating. Resolite RFM panels are isophthalic resin based panels that have passed the Factory Mutual 25 and 50 foot Corner Test and meet the criteria for walls, roofs, and ceilings without height or area limitations and without sprinkler protection.

#### **RESILIENT**

Resolite panels are naturally resilient and will withstand large deflections associated with normal load and impact conditions without suffering damage. They return to their original shape when the loading is removed. These resilient panels can withstand deflections well beyond those which will deform a metal panel.

Resolite's unique balance of glass fiber reinforcement and polyester resin permit designs which maximize both panel in place performance and load capacity without sacrificing functional requirements.

Constant quality checks, including small and full-scale structural testing, and over 45 years of successful on-the-job experience have proved that Resolite panels perform even in the most severe windstorms. Leaks and premature panel or fastener related failures are not a problem when panels are properly installed and limited by the L/D criteria established in ASTM D 3841.

#### **GOOD WEATHERING CHARACTERISTICS**

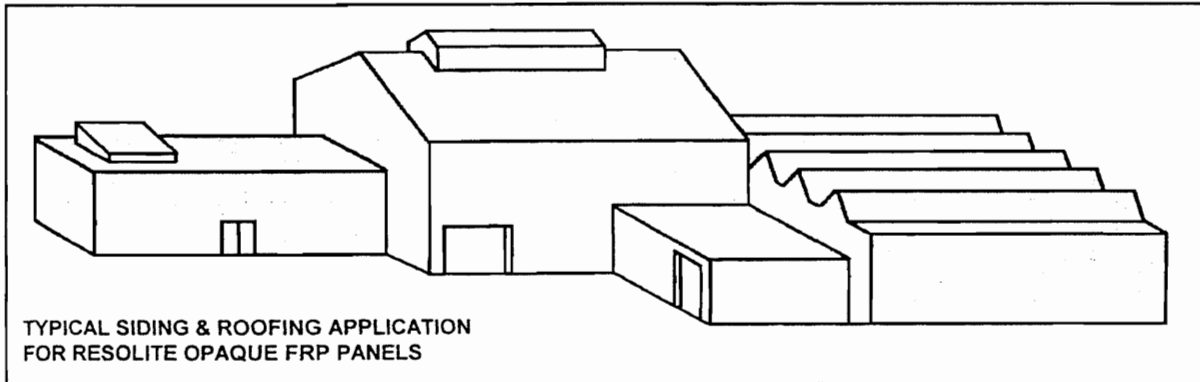
Resolite panels have "built-in" ultra-violet and weather protection. There is no need to apply costly coatings or films. The combination of four decades of production experience, acrylic modification, quality resin components and - more recently - CW Barrier protection combine to yield a uniquely durable panel.

#### **VERSATILE**

Resolite offers a wide range of manufacturing and technical capabilities to meet specific needs. Panels are available in both polyester and vinyl ester resin formulations combined with a variety of glass fiber reinforcements. We can combine these materials and panel weights to meet various functional or structural requirements. Resolite FRP panels are available in a wide range of colors, finishes and profiles; are adaptable to many building applications for roofs and walls; and are easily installed using conventional construction methods.

# Good Reasons to Specify Resolite FRP Panels (continued)

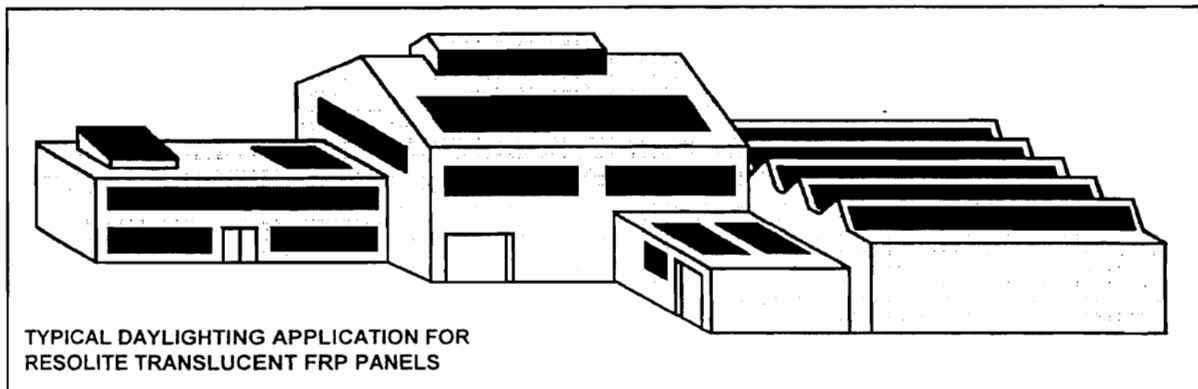
## FRP SIDING & ROOFING - RESOLITE OPAQUE PANELS



Opaque fiberglass reinforced polymer panels from Resolite are the ideal siding and roofing material for industrial and commercial buildings. Resolite premium grade polyester resin fire rated CRFS25A, Tred-Safe, RFM as well as non-fire rated CR-Acryloy, are available in a range of standard colors and profiles to meet

virtually any design criteria. Resolite opaque FRP is the ideal solution when corrosion resistance and weatherability are critical requirements of the building panels. Consult Profile Selection Guide, Corrosion & Weathering Guide and the Color, Finish & Light Transmission data pages for more information.

## FRP DAYLIGHTING - RESOLITE TRANSLUCENT PANELS



Translucent fiberglass reinforced polymer panels from Resolite are the ideal solution to daylighting in industrial and commercial buildings. Resolite premium grade polyester resin fire-rated FS25A, translucent Tred-Safe, as well as non-fire rated Acryloy panels are available in a range of translucent colors and light transmission percentages. They are also available

in a wide variety of profiles that match opaque FRP panels and metal panels. In addition, Resolite translucent FRP panels also provide excellent corrosion resistance and weatherability. Consult Profile Selection Guide, Corrosion & Weathering Guide and the Color, Finish & Light Transmission data pages for more information.