

FIBERGLASS REINFORCED POLYMER PANELS

Corrosion-Resistant Solutions for Industrial Construction

- Walkable FRP Roof Panels



- Opaque and
Translucent Panels



- High Strength Roof
Deck Panels



- UL and Factory
Mutual Approved
Panels

- FRP Louvers,
Ventilators and Gutter
Systems




Resolite®

FIBERGLASS REINFORCED POLYMER PANELS

Resolite – The Leader in Fiberglass Reinforced Polymer Composite Panels...for Over Five Decades

RESOLITE'S FRP COMPOSITE PANELS ARE DESIGNED TO WITHSTAND THE EXTREMELY

CORROSIVE ENVIRONMENTS OFTEN ASSOCIATED WITH GALVANIZING/PICKLING

OPERATIONS, PULP AND PAPER MILLS, CHEMICAL PLANTS, STEEL MILLS, METAL

TREATMENT FACILITIES, CHLORINE CELL BUILDINGS, COOLING TOWERS, WASTEWATER

TREATMENT PLANTS AND A HOST OF OTHER INDUSTRIAL BUILDING OPERATIONS.

SINCE 1951, RESOLITE HAS PROVIDED ARCHITECTS, ENGINEERS, CONTRACTORS

AND BUILDING OWNERS WITH THE VERY FINEST IN FIBERGLASS REINFORCED POLYMER

(FRP) PANELS. THROUGHOUT ITS HISTORY, RESOLITE HAS BEEN AT THE FOREFRONT OF

NEW PRODUCT DEVELOPMENT. RESOLITE WAS THE FIRST TO PROVIDE ENGINEERED

FRP COMPOSITE PANEL SOLUTIONS TO THE INDUSTRY. RESOLITE DEVELOPED AND

MANUFACTURED THE INDUSTRY'S FIRST FIRE RETARDANT FRP PANELS, AND INTRO-

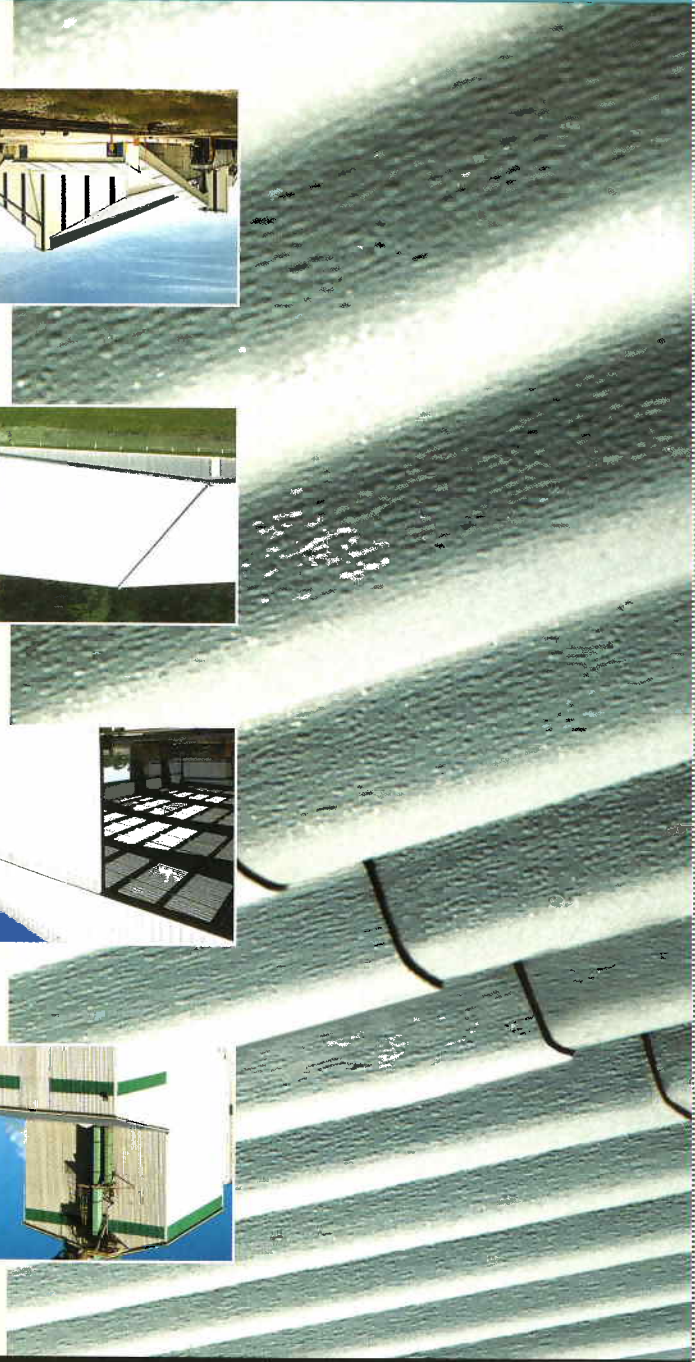
DUCED THE FIRST WALKABLE FRP PANEL (TRAD-SAFETM) AND FACTORY MUTUAL

APPROVED PANELS (RFM).

RESOLITE'S AUTOMATED CONTINUOUS PRODUCTION LINES; IN-PLANT LABORATORY;

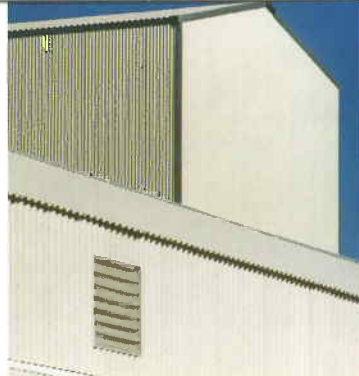
TESTING FACILITIES; ENGINEERS AND STAFF, COMBINE TO OFFER CUSTOMERS

UNEQUALLED ASSISTANCE IN MEETING THEIR CORROSION AND WEATHERING CHALLENGES.



www.resolite.com

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Tred-Safe

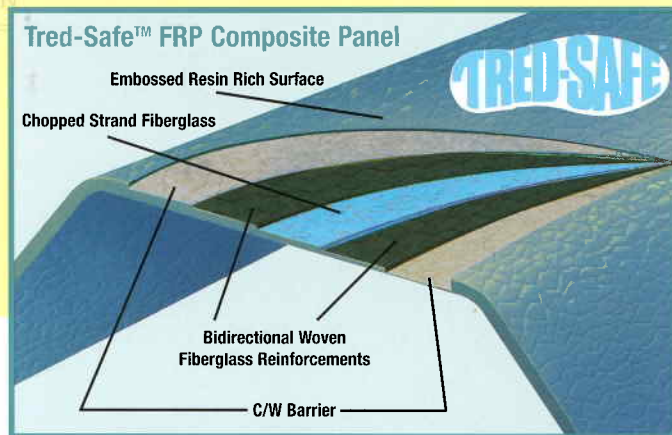
TRED-SAFE IS A HIGH-STRENGTH,
CORROSION RESISTANT, FIRE-RATED,
FIBERGLASS REINFORCED POLYMER
(FRP) ROOF PANEL PRODUCED
WITH RESILIENT POLYESTER RESIN
SPECIFICALLY DEVELOPED TO BE
SAFE AND WALKABLE*.

Introduced in the early 1980's, Tred-Safe roof panels have gained wide acceptance by architects, engineers, contractors and plant personnel - especially for applications where a **truly walkable** translucent or opaque FRP panel is required.

Because you can walk on them, Tred-Safe panels have the proven benefit of safely supporting concentrated loads of normal foot traffic. In addition, the owner has the assurance that their personnel and maintenance crews can access the roof safely. Tred-Safe is also ideal as a siding panel where long spans are required or high impact resistance is needed.

Tred-Safe incorporates the same isophthalic polyester resin as Resolite's high performance FS25A and CRFS25A products. The resin is intermixed with a five-layer combination of reinforcement including bi-directional continuous strand woven and chopped strand fiberglass. Unlike straight "layered" glass, continuous strand woven reinforcing provides the best resistance to fastener pullover, which is the panel failure mode in high wind conditions.

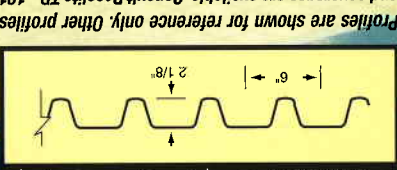
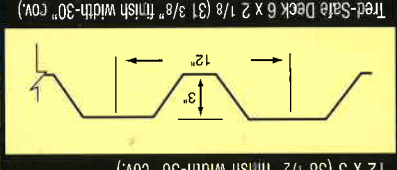
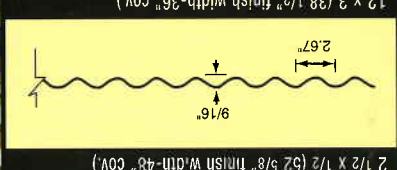
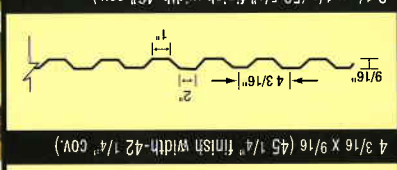
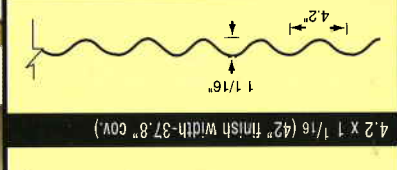
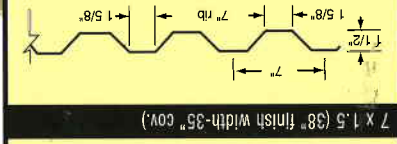
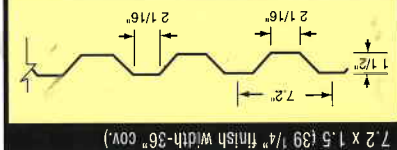
Tred-Safe panels are available in two standard profiles- 7.2 x 1.5" ribbed configuration and 4.2 x 1-1/16" corrugated. The 4.2 corrugated profile may be used with or to replace corrugated cement panels, since both panels have identical configurations.



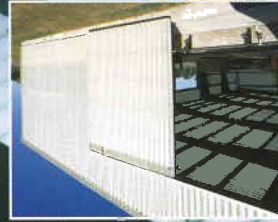
*A *walkable* panel is one that is resistant to puncturing and tearing; is rugged and durable; and is capable of safely supporting normal foot traffic and the weight of a maintenance worker. The optimum FRP walkable panel is one having layers of bidirectional woven fiberglass as the main structural reinforcement. Please note that beyond the actual material capabilities, standard construction safety measures must be observed and are the responsibility of the owner. Maximum walkable spans should be limited to 7'6". Also note that simple span conditions are not recommended for foot traffic. Planks or ladders should be used for these conditions.

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DIMENSIONAL DATA



Profiles are shown for reference only. Other profiles and coverages are available. Consult Resolite TD - 121 for details.



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'40' Series Panel

The Resolite '40' Series CRFS25A (Opaque) and FS25A (Translucent) are Resolite's high-strength wall and roof panels. They are available in a wide variety of profiles and types ranging from 840 (nom. 8 oz./sq.ft.) through 1440 (nom. 14 oz./sq.ft.).

Resolite '40' series panels incorporate the optimum 60% resin/40% glass matrix to provide the best corrosion, weathering and structural properties available for fiberglass products. The high quality isophthalic polyester resin system and bi-directional, continuous strand woven and chopped strand glass reinforcing produce an ideal balance for superior composite materials. In addition, C/W (Corrosion/Weathering) Barrier is standard on all '40' Series panels to enhance panel performance over the life of the product. These panels come with the Underwriters Laboratories' Flame Spread Rating of 25.



'30' Series Panel

Resolite produces translucent FRP composite panels for applications where light transmission is a design consideration. The '30' series panels offer soft, diffused light, and are available in a variety of colors and light transmission percentages.

'30' Series CRFS25A (Opaque) and FS25A (Translucent) panels are available in 830 (nom. 8 oz./sq.ft.) through 1230 (nom. 12 oz./sq.ft.). These panels incorporate approximately 30% chopped glass reinforcement with an embossed exterior finish, and are available in all standard and many special roofing and siding configurations, including flat sheets.



Factory Mutual Approved Panels

Resolite RFM panels were designed to provide a cladding that would carry a Factory Mutual fire-rated approval for walls, ceilings, and roof applications without sprinkler protection. They have passed both the FM 25-foot and 50-foot Corner Tests, using 6'0" spans to simulate actual construction conditions. RFM panels have also achieved an ASTM E 108 Class B rating.

RFM panels are produced with an isophthalic resin system that provides maximum corrosion resistance and weathering characteristics. They are also available in 7.2" x 1.5" rib, 7.0" x 1.5" rib and 4.2 x 1-1/16" corrugated. Standard colors are Stone White, Gray and Beige.

Resolite has also achieved Factory Mutual I-90 wind uplift classification for all RFM panel profiles.



Approved as plastic building panels Class 1 Fire-Rated Subject to the conditions of approval as Wall or Roof/Ceiling panel when installed as described in the current edition of the FMRC approval guide.

