



Phase-2 PVC Corrugated Siding, Roofing and Louver Panels are unquestionably the most versatile and widely used

Phase-2 PVC Siding, Roofing and Louver Panels are solid, heavy gauge Polyvinyl Chloride (PVC) extruded sheets that maintain color and structural integrity under the tougest weather conditions and physical abuse. Phase-2 PVC offers a Non-Combustible Flame Spread

Rating of 12 and performs exceptionally in resisting most corrosive conditions from many organic and inorganic chemical fumes and liquids.

Phase-2 PVC is completely UV resistant, will not yellow or discolor and will block out harmful UV radiation.



Industrial



Light Industrial



Chemical



Commercial

Other Industries

- · Coal and metal mining
- Food manufacturing
- Government
- Power plants
- Transportation
- Waste water treatment
- And many more

Other Applications

- Canopies
- Cooling tower louvers and casing
- Elevator enclosures
- Barriers and partitions
- Lean-to's
- Salt storage facilities
- Storage facilities

Skylights, awnings, translucent roofing



PROFILE	CONFIGURATION DETAIL	WIDTH	LENGTHS UP TO	THICKNESS	COLORS	OZ./FT. ²	CONFORMS TO
4.2' X 1-1/16"	1-1/16"	42'	24'	3/32"	White, Gray White, Gray, Clear, Tan, Blue White, Gray	12	FRP, Asbestos Cement
2.67" X 7/8"	2.67"	40"	24'	3/32"	White, Gray	12	FRP, Steel Aluminum
Astiria Box Rib Embossed	12"	40-1/4"	24'	3/32"	White, Tan	12	Proprietary Configuration
7.2" X 1-1/2"	7.2"	47-7/8"	24'	1/8"	White, Gray, Clear	16	FRP, Steel Aluminum
AG-TUF Greca Rib	3"	26" or 38"	Specific lengths to 20.4'	1/32"	White	4	Box Rib
AG-TUF UV 9" Classic Rib	9"	38"	Specific lengths to 20.4'	1mm	White, Tan	5	FRP, Steel Aluminum
Flat UV		4' X 8' Standard		1/16", 1/8"	White, Gray, Clear, Tan, Blue	8, 16	
Type 1, Type 2				1/8", 3/16" 1/4", 1/2"	White, Dark Gray	16, 24 32, 48	
Flat Astoria Embossed		4' X 8' 5	Standard	3/32"	White, Tan	12	

Non-standard colors and sizes for all profiles and product lines available upon request.

Product Features

- Widest range of resistance to corrosion
- Low non-combustible flame spread rating of 12
- High UV resistance: will not yellow, discolor, or turn brittle
- High impact strength
- Solid PVC, no peeling, denting or loss of structural integrity
- Cost effective
- Easy to handle and install

Performance Features

- Phase-2 PVC Panels are non-combustible and have a Flame Spread Rating of 12
- Phase-2 PVC Panels reflect heat, which results in lower "skin" temperatures
- Phase-2 PVC Panels offer excellent resistance against water and solid, liquid or fume chemicals
- Phase-2 PVC Panels have an extremely high impact strength (6 ft. lbs./in lzod) over the entire temperature range

The above Applications and Certifications do not pertain to AG-TUF, AG-TUF UV or Palight.



Phase-2 PVC Chemical Resistance

For chemical and corrosive media not found on this list, please contact your H&F representative.

It is important to note that H&F

PVC panels are generally not recommended for use with acetone, ketones, ethers and aromatic and chlorinated hydrocarbons.

The information on chemical resistance is based on our research and experience. It serves as a basis for recommendation.

CHEMICAL	CONCENTRATION %	RESISTANCE	CHEMICAL	CONCENTRATION %	RESISTANCE
Aluminum Chloride	Saturated	R	Ferrous Sulfate	_	R
Aluminum Fluoride	_	R	Fluorine Gas	-	LR
Aluminum Hydroxide	_	R	Fluoroboric Acid	_	R
Aluminum Sulfate	Saturated	R	Formaldehyde	-	LR
Ammonia (Gas)	_	R	Hydrobromic Acid	20	R
Ammonia (Liquid)	_	N	Hydrochloric Acid	35	R
Ammonium Acetate	_	R	Hydrofluoric Acid	48	LR
Ammonium Bifluoride	_	R	Hydrofluoric Acid	70	LR
Ammonium Bisulfate	_	R	Hydrogen Peroxide	50	R
Ammonium Chloride	_	R	Hydrogen Sulfide	-	R
Ammonium Fluoride	25	LR	lodine	_	N
Ammonium Hydroxide	10	R	Magnesium Carbonate	-	R
Ammonium Hydroxide	28	R	Magnesium Chloride	_	R
Ammonium Nitrate	_	R	Magnesium Hydroxide	-	R
Ammonium Sulfate	Saturated	R	Magnesium Sulfate	-	R
Ammonium Sulfide	Saturated	R	Nickel Sulfate		R
Antimony Trichloride	_	R	Nitric Acid	60	R
Aqua Regia	_	N	Nitrous Oxide	-	R
Arsenic Acid	80	R	Ozone	_	R
Barium Chloride	_	R	Perchloric Acid	70	LR
Barium Sulfate	_	R	Phosphoric Acid	85	R
Boric Acid	_	R	Phosphorous (Yellow)	-	R
Bromic Acid	_	R	Phosphorous Pentoxide	_	R
Bromine (Liquid)	_	N	Phosphorous Trichloride	_	N
Bromine (Water)	_	LR	Plating Solutions	_	R

R - Resistant LR - Limited Resistance N - Not Resistant

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CHEMICAL	CONCENTRATION %	RESISTANCE	CHEMICAL	CONCENTRATION %	RESISTANCE
Calcium Chloride	Saturated	R	Potassium Bichromate	-	R
Calcium Hydroxide	_	R	Potassium Bromate	-	R
Calcium Hyprochlorate	_	R	Potassium Bromide	Saturated	R
Calcium Nitrate	_	R	Potassium Chloride	-	R
Calcium Sulfate	_	R	Potassium Chlorate	-	R
Carbon Disulfide	_	N	Potassium Chromate	_	R
Carbon Tetrachloride	_	N	Potassium Cyanide	_	R
Chlorine Dioxide	15	R	Potassium Dichromate	_	R
Chlorine Gas (Dry)	_	R	Potassium Ferricyanide	_	R
Chlorine Gas (Wet)	_	LR	Potassium Fluoride	-	R
Chlorine Water	2	R	Potassium Hydroxide	50	R
Chromic Acid	10	R	Potassium Nitrate	_	R
Citric Acid	Saturated	R	Potassium Perborate	_	R
Copper Nitrate	_	R	Potassium Perchlorate	-	R
Copper Sulfate	_	R	Potassium Permanganate	10	R
Ferric Chloride	Saturated	R	Potassium Persulfate	-	R
Ferric Nitrate	_	R	Potassium Sulfate	_	R
Ferric Sulfate	_	R	Selenic Acid	-	R
Ferrous Chloride	-	R	Silicic Acid	-	R

R - Resistant LR - Limited Resistance N - Not Resistant

Mechanical Properties	(Izod) 32° F 0.5 ft-lb/in	Specific Heat 3 cal/°C/gm
Tensile Strength8000 psi	Elongation 65%	
Flexural Modulus425000 psi	Thermal Properties	Electrical Properties
Flexural Strength 13000 psi	Thermal Conductivity	Volume Resistivity
Comprehensive Strength 11000 psi	4.2 X 10 ⁻⁴ cal/sec/cm ² /(°C/em)	10 ¹⁶ ohm-cm (50% RH + 23°C)
Impact Strength	Coefficient of Expansion	Dielectric Strength 350-500 volts/mil
(Izod) 68° F 6.0 ft-lb/in	6.3 X 10 ⁻⁵ in/in/°C	Dielectric Constant3.6 Khz
Impact Strength	K-Factor10 ¹⁶ W/m°C	

In as much as H & F Manufacturing Corporation's material has many approved uses, any non-standard use should be tested by the user to determine its suitability. Proper installation techniques must be in accordance with H & F Manufacturing Corporation's procedures, and H & F will not be liable for damages due to improper installation. In accordance with our company's continual product development, you are advised to check with your H & F Manufacturing Corp. supplier to ensure that you have the most up-to-date information.

