

PRODUCT SPECIFICATION

The louver is to be manufactured by Brentwood Industries and shall meet the following specifications:

1. Scope:

ACCU-PAC CL-100 is a cellular type louver designed to minimize splash-out of falling water from counterflow cooling towers, reduce light transmission into the tower and reduce sound transmission out of the tower at minimal airside pressure loss.

2. Material of Construction:

A. General

The louver modules shall be fabricated from rigid, corrugated PVC or HPVC sheets and UV protected. The modules shall be resistant to rot, fungi, bacteria and inorganic/organic acids and alkalies as commonly found in cooling towers.

B. PVC SHEETS

The PVC sheet shall be prime, rigid PVC conforming to commercial standard ASTM D1784:12344B to 12454B with the following properties:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Specific Gravity	D792	gm/cu.cm.	1.45 max.
Tensile Strength	D638/D882	psi	6000 min.
Flexural Modulus	D790	psi	425,000 min.
Flexural Strength	D790	psi	10,000 min.
Elastic Modulus	D638/D882	psi	360,000 min.
Izod Impact	D256	ft-lbs/in.	1.0 min.
Impact Resistance	D4226	in. lbs./mil	0.8 min.
Heat Deflection	D648	°F(264 psi)	160 min.
Flame Spread Rating	E-84		less than 15
Flammability	D635		self-extinguishing less than 5 sec.

C. Chemical

Resistance to Grease Fats, Oils	Excellent	ASTM D722-45
Resistance to Acids	Excellent	ASTM D543
Resistance to Alkalies	Excellent	ASTM D543

The PVC sheets shall be of uniform thickness and free from holes, air bubbles, foreign matter, undispersed raw material or other manufacturing defects, which may adversely affect their performance.

3. Module Physical Data

Specifications	Data
Material	Rigid PVC
Panel Width	Up to 72" (1830mm)
Panel Height	Up to 72" (1830mm)
Light Reduction	70:1
Sound Attenuation	Up to 3 dB
Weight	1.3 lb/ft ² (6.37 kg/m ²)
Sheet gauge	15 mil (0.38mm)

4. Pressure Loss

