



# Ag-Tuf® Corrugated PVC Liner Panels

## Description and Overview

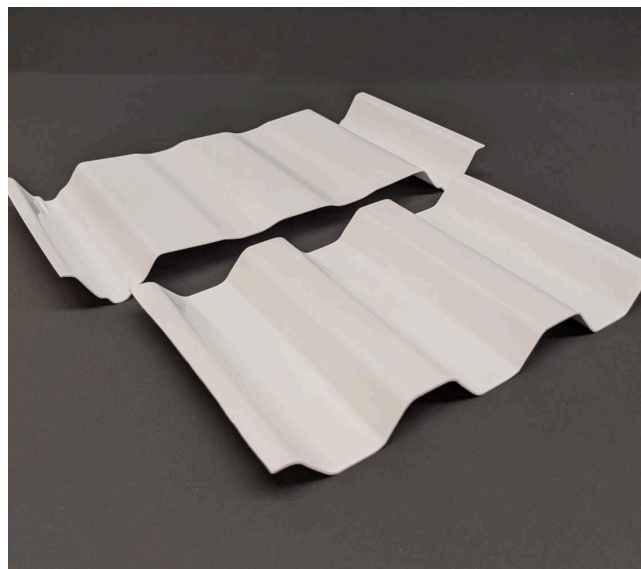
Designed for farms and other agricultural facilities, Ag-Tuf® corrugated PVC liner panels for walls and roofs are an excellent alternative to metal AG panels and other wall cladding systems. Ag-Tuf® panels feature tongue and groove edges that allow them to fit together for easy installation and an overall smooth finish.

Ag-Tuf® resists chemicals and emitted gasses and odors from animals and is suitable for areas that house livestock or other animals that frequently release unwanted gaseous odors. Rustproof and scratch resistant, Ag-Tuf® withstands the daily repeated impacts and potential fluids from livestock, hoses, and sprinklers. Ag-Tuf® panels are Class A fire rated depending on panel thickness.

## Applications and Uses

Ag-Tuf®'s remarkable chemical resistance properties allow it to be cleaned regularly with harsh chemical cleaners, necessary to maintain a sanitary environment in dairy, poultry, and fish farms. With high light reflectance values, Ag-Tuf panels absorb little light to help keep areas brightly light. Standard Ag-Tuf® panels are best suited for indoor use but UV-coated panels for outdoor use are available.

- Dairy, poultry, and fish farms
- Loading sheds
- Barns
- Fertilizer and salt storage
- Factories
- Food processing
- Meat packing
- Kennels
- Car and truck washes
- Workshops



## Properties and Specifications

Property	ASTM Test Method	Conditions	Units -SI	Values
Density	D-1505	-	g/cm <sup>3</sup> (lb/ft <sup>3</sup> )	1.4 (87.4)

Continued - See Properties Table Below

Properties are typical.  
Chem is an abbreviation for chemically affixed with glues, chemicals, or adhesive.  
Mech is an abbreviation for mechanically affixed bonding.  
Field testing is recommended for any application.





# Typical Properties

Property	Conditions	ASTM Test Method	Units -SI	Values
<b>MECHANICAL</b>				
Tensile Strength at Yield	10 mm/min (0.4 in./min)	D-1505	MPa (psi)	52-66 (7542 -9573)
Tensile Strength at Break	10 mm/min (0.4 in./min)	D-1505	MPa (psi)	39-53 (5656 -7687)
Elongation at Yield	10 mm/min (0.4 in./min)	D-638	%	3
Elongation at Break	10 mm/min (0.4 in./min)	D-638	%	140-160
Tensile Modulus of Elasticity	10 mm/min (0.4 in./min)	D-638	MPa (psi)	2,700 (391, 600)
Flexural Modulus	1.3 mm/min (0.05 in./min)	D-790	MPa (psi)	2,200 (320,000)
Flexural Strength at Yield	1.3 mm/min (0.05 in./min)	D-790	MPa (psi)	90-100 (13,100-14,500)
Impact Falling Weight	3 mm (0.12 in.) Sheet	ISO6603/1b	J (ft-lbf)	45-60 (33-44)
Rockwell Hardness	-	D-785	R scale / M scale	105-115
Thermal	-	-	-	-
Long Term Service	-	-	°C (°F)	-20 to 50 (-4 to 122)
Heat Deflection Temperature	Load: 1.82 Mpa (264 psi)	D-648	°C (°F)	61-67 (142-152)
Coefficient of Linear Thermal Expansion	-	D-696	10-5 /°C (10-5/°F)	6.3 (3.5)
Thermal Conductivity	-	C-177	W/m°K (Btu-in. /hr-ft²-°F)	0.16 (1.11)

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WARNING: This product can expose you to chemicals, which are known to the State of California to cause cancer, birth defects, and/or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



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