



A-FOR™ COMPOSITE PANEL

Product Data Sheet

Product Description

A-FOR™ Composite Panel is an environmentally friendly product, developed by TTS, Inc., integrating forest industry and agricultural residues into a sustainable and versatile panel product.



Product & Company Identification

Product name	AFor™ Composite Panel	Manufacturer	TTS, Inc.
Synonyms	Agri-Forestry Composite Panel	Address	9527 49 Avenue NW Edmonton AB Canada T6E 5Z5
Product use	Architecture, wall coverings, furniture, product finishing, interior design, cabinetry, flooring	Telephone	+1 780 465 1532
		Fax	+1 780 461 9950

Composition

Over 95% natural fibre of various varieties including wheat, barley, flax and hemp

Dimensions

Sheet Size	2' x 4' standard
Standard Thicknesses	1/4" to 1-1/4" variable
Sheet Density	20-40 pcf variable

Physical Properties

Modulus of Rupture	1,842 psi
Mod of Elasticity	413,900 psi
Internal Bond	70 psi
Face Screw Hold	223 lbs
Edge Screw Hold	197 lbs
Formaldehyde emissions	<0.09 ppm

Environmental & Economic Advantages

- + Reduces waste, CO2 emissions, air pollution, and deforestation by making use of agricultural, forestry and municipal natural fibre residuals
- + Microwave technology reduces duration of press time by up to 50% using less energy and emitting less GHGs
- + Manufactured in smaller-scale plants, closer to end-product manufacturers reducing energy use and emissions from transportation
- + Low-fuming resins meet LEEDs, CARB Phase 2, and Europe's E1 Emissions standard for formaldehyde off-gassing
- + Manufactured with no petroleum-based resin, requiring only the addition of a small quantity of natural lignin

Performance Characteristics

- + Excellent internal bond strength and other performance characteristics that meet or exceed ANSI-A208.1-1999 requirements for M series of commercial/industrial particleboard products.
- + No added urea formaldehyde and over 95% rapidly renewable resources contribute to high LEED points in areas of Environment Quality and Material Resources