LP SolidStart®
ENGINEERED WOOD PRODUCTS

FREQUENTLY ASKED QUESTIONS

LP® SolidStart® LSL was qualified for use in truss chords in 2009. Since then, thousands of metal plated wood trusses have been manufactured across the United States using LP SolidStart LSL.

Does LP have a special grade of LSL for the metal plated truss industry?

Yes. In addition to the normal quality control procedures, our 2500Fb-1.75E LSL for truss chords undergoes substantial testing to monitor structural performance in the same manner as real world truss applications. Look for the following grade stamp indicating your product has been evaluated for use as truss chords.

LP SolidStart 1.75E LSL Truss Chord APA EWS Mill 1092 ICCES ESR-2403 16:30 CCMC 13319-R 20070614

If you do not see this stamp on your product, it is not evaluated for truss chord applications!

Can I find LP SolidStart LSL in my truss software?

Allowable tooth holding values for LP SolidStart LSL have been established by and are available in MiTek and ITW software. Check with your plate supplier for current releases. You can contact MiTek at 866-648-3587 and ITW at 866-237-2878 for additional information.

Are there any special handling requirements for LP SolidStart LSL for truss chord applications?

LP SolidStart LSL is produced at a low moisture content and may be susceptible to thickness swell when not handled properly. TAKE CARE TO PROTECT LP SolidStart LSL FROM MOISTURE DURING STORAGE! Store it wrapped, off the ground, and properly stickered per recommendations in our literature. Inside or covered storage is ideal.

Are there any special plating considerations when using LP SolidStart LSL?

LP SolidStart LSL is denser than many products you may be accustomed to working with and additional pressure may be required to fully seat plates. Plate embedment should be carefully checked.

How well does LP SolidStart LSL hold metal plates?

LP SolidStart LSL holds truss plates extremely well. It typically will not split like lumber, making it ideal for components with large plates.

Are there any special considerations when nailing LP SolidStart LSL?

Yes, it is possible that framing nailers adjusted for nailing into lumber may not fully drive nails into LSL. See the LP Tech Note on nailing, available at lpcorp.com.

What sizes of chord material are available?

Common sizes for truss applications include 1-1/2" x 3-1/2", 5-1/2", 7-1/4", 9-1/4", 9-1/2", 11- 1/4", 11-7/8", and 14". Lengths of up to 48' feet are available depending on the market.

Can I use LP LSL for flat chord (3x2 or 4x2) applications?

No, LP SolidStart LSL has not been qualified for flat use in truss applications.

Remember – TO ENSURE OPTIMUM PERFORMANCE, LP LSL FOR TRUSS CHORD APPLICATIONS MUST BE STORED IN A MANNER TO PROTECT IT FROM MOISTURE !

What are the allowable design stresses for LP 2500Fb-1.75E LSL?

LP 2500Fb-1.75E LSL has the following design stresses per ICC ESR-2403.
Standard duration of load adjustments and repetitive use factors apply as well.

Grade	Fb* (psi)	Ft* (psi)	Fc (psi)	$Fc_{\perp}$ (psi)	Fv (psi)	MOE (10^6 psi)
2500Fb-1.75E	2,500	2,100	2,450	950	410	1.75

*For adjustments to Fb & Ft refer to APA PR-L280 or ICC ESR-2403.