



## SIP No. 2076

**Subject:** LVL Splines

**Date:** April 2012

R-Control SIPs are most commonly connected with surface, block, I-Beam, or dimensional lumber splines. I-Beam and dimensional lumber splines are used to provide additional strength and span capacity to R-Control SIPs assemblies. Laminated veneer lumber (LVL) is an alternative engineered wood spline option.

R-Control LVL's are an alternative spline connection available for 8-1/4" R-Control SIPs. The following Load Design Chart provides the capacity of R-Control SIPs when connected with R-Control LVL's spaced 4' o.c.

**Roof/Floor - Transverse Loading  
LOAD DESIGN CHART  
(SEE LVL SPLINE DETAIL SIP-102a)**

R-CONTROL® SIPs					
PANEL SPAN		R-CONTROL LVL WIDTH	SIP THICKNESS		
			8 1/4"		
DEFLECTION			L/360	L/240	L/180
TRANSVERSE LOAD (PSF)	10'- 0"	1-3/4"	81 <sup>1</sup>	81 <sup>1</sup>	81 <sup>1</sup>
	12'- 0"		63	68 <sup>1</sup>	68 <sup>1</sup>
	14'- 0"		49	58 <sup>1</sup>	58 <sup>1</sup>
	16'- 0"		38	51 <sup>1</sup>	51 <sup>1</sup>
	18'- 0"	2-1/2"	30	45 <sup>1</sup>	45 <sup>1</sup>
	20'- 0"		24	37	40 <sup>1</sup>



CLICK HERE FOR  
**QUOTE**

[www.thermafoamrcontrol.com](http://www.thermafoamrcontrol.com)

Copyright © 2021 ThermaFoam R-Control, LLC. All rights reserved. Printed in USA.



**203 South Redmond Road  
Jacksonville, AR 72076**

**Office: 501-945-1114**