

## e-log Tech Data Sheet

### Overview

The e-log is an engineered log siding product. It is a composite product comprised of standard building materials. The base of the e-log is 1/2" Oriented Strand Board (OSB). The half log shape is formed by Expanded Polystyrene (EPS) which is glued on the OSB. Two separate layers are laminated on top of the EPS, a 1/8" hard board and a 1/8" wood veneer. All layers are glued together using the most aggressive adhesive on the market, moisture cure urethane which forms a 100% water proof barrier as well as an excellent adhesion bond, capable of withstanding nature's most demanding environments. Pine River applies a hand drawn effect on the e-log and a pre-stain base coat preparing for installation and final top coats applied in the field.

### Available Wood Species

The e-log is available in a number of wood species. Standard product is a White Pine. Other available species are: Maple, Red & White Oak, Hickory, Aspen, Cherry, and possibly others as a special request.

### Dimensions, Weights & R-values

Apparent Diameter	Stack Height	Profile	Length	Weight	Sq Ft / log	Avg R-value
12"	10"	3.5"	8'	18 lbs	6.67	8
14"	12"	4.5"	8'	23 lbs	8.00	9
16"	14"	5.5"	8'	29 lbs	9.33	10

### Window & Door Trim

e-log	profile	nominal dimension	lengths
12"	3.5"	3" x 4"	4', 6', 8', 10'
14"	4.5"	3" x 5"	4', 6', 8', 10'
16"	5.5"	3" x 6"	4', 6', 8', 10'

### Corner Systems

Corner Type	Nominal Lengths	Dia./Square
Vertical Round	8' & 10'	10" & 12"
Vertical Square	8' & 10'	6", 8", 10"
Saddle Notch	Std 16" Tails	12", 14", 16"



### Packaging & Shipping

e-log size	Bunk pallet	weight	logs/bunk	sq ft/bunk
12"	4' x 8'	~ 825 lbs	40	267 SF
14"	4' x 8'	~ 650 lbs	24	192 SF
16"	4' x 8'	~ 710 lbs	21	196 SF

### Shipping

Pine River Inc, will coordinate shipping from the factory typically via a common carrier. The customer will need to have a fork lift or other means to unload at the job site. Customers are welcome to pick up at the factory if they would like.

### e-log Automated Manufacturing Process

The e-log is manufactured on an automated assembly line providing the best quality and product consistency possible. In-process tests are performed to assure proper glue and moisture amounts are applied per adhesive manufacturer guidelines.

### Factory Pre-Staining

The e-log is factory prepared with a multi-coat process intended to provide protection of the e-log during initial construction. This acts as a wood conditioner for the top coats that are to be applied both in the factory and in the field that provide final color and long term protection. Active ingredients of the treatment process are:

- UVA Inhibitors
- Lignostab
- Fungicide

The e-log will need to be stained after it is installed on the structure in the field.

### Maintenance Requirements

The e-log needs to be maintained on a regular basis like any other exterior wood product. Fortunately, the e-log won't shrink, settle or twist as it ages. It may develop small fissures on the surface that is natural with wood. Yearly log washing and applying maintenance stain coatings as needed are all that is required. Since each e-log is a unique wood product, some e-logs may develop a wider fissure than others, a bead of caulk may be applied in this fissure if desired. Again, keeping an active coat of stain on the wood is important to protect from the weather and sun elements.