OLYMPIC PANEL
Products

SIGNREADY UV
SIGN BOARD

Product Description:
SignReady UV is prefinished, high gloss, vinyl letter/Ink Jet/paint ready, MDO plywood with a 5 year limited warranty. It is an excellent surface for wide layout digital printers, vinyl letters and sign paints.

Panel Construction & Moisture Resistance:
SignReady UV is constructed of a proprietary, Urethane-acrylic, cross-linked, UV cured finish applied to Medium Density Overlaid hardwood faced plywood with Douglas Fir/Hemlock inner plys. It is manufactured with a 2 Step layup, a waterproof glue bond and meets APA PS 1-07 specifications. All Olympic products are made in the USA.

Features and Benefits:
• Smooth, high gloss finish is vinyl letter/digital print/paint ready
• Superior scratch, chip & mar resistance
• Exceptional weatherability
• Minimal wood grain and no patch show through
• 5 year warranty against flaking and peeling
• Waterproof bond for water/high humidity resistance
• Very low Formaldehyde - meets proposed CARB requirements

Working Faces/Treatment:
SignReady UV is available with 1 or 2 working faces. Panels with a single working face are provided with an MDO or primed MDO backer. It includes in a solid, high gloss white finish with a reflectance of 75 to 85. The urethane-acrylic, cross-linked, UV cured finish consists of three thermo-set base coats and 2 cross-linked, UV cured top coats. It is a hard, durable and chip & scratch resistant finish.

Working Edges/Treatment:
• Edges are factory sawn & painted to match the face.
• Fill, prime & top coat all exposed wood with at least two coats of acrylic, polyurethane or polyurethane-acrylic primers & paints or exterior grade caulking. See www.olypanel.com for Technical Data.

Applications:
• Vinyl, digital print and painted signs for longer duration applications.
• Furniture, cabinets, displays & fixtures, shelving & partitions.
• Truck body & trailer liners/doors.

Limitations:
SignReady UV must be edge sealed for exposure in exterior applications. For structural applications, consult Olympic Panel for load tables or other data.

Thicknesses & Sizes:
SignReady UV is available in 3/8″ (5 ply), 1/2″, 5/8″, 3/4″ thicknesses. Standard panel sizes are 4′ X 8′ & 10′ only. Non standard thicknesses meeting volume requirements are available.

• **Smooth, high gloss finish**
• **Vinyl letter/digital print/paint ready**
• **Superior scratch, chip & mar resistance**
• **Exceptional weatherability**
• **Minimal wood grain & no patch show through**
• **Maximum dimensional stability**
• **5 year warranty against flaking and peeling**

Product Grade
Standard products are shipped 100% on grade, unless specified otherwise. Special products are shipped allowing up to 10% total Good One Side (G1S) and/or Shop, identified & priced separately. Shipments of G1S and shop only may be available. Check with sales.

Technical Data Applicable Standards
All panels are manufactured by Olympic Panel Products per Product Standard PS1-07. This standard is available at **www.apawood.org**.

Physical Properties[1]	3/8″ to 1/2″	5/8″ to 3/4″
Modulus of Rupture[2,3]	6,670 psi	6,860 psi
Modulus of Elasticity[2,3]	795,050 psi	853,565 psi
Lineal Expansion[2,3]	.057%	0.050%
Thickness Swell	3.8%	3.8%
Water Absorption (24 Hours)	6.0%	6.0%
Internal Bond[2]	180 psi	134 psi
Face Screw holding[2]	430 lbs	449 lbs
Edge Screw holding[2]	Not Applicable	408 lbs
Moisture Content[2] ASTM D-1037	6-9%	6-9%
Specific Gravity[2] ASTM D-1037	.592	.527
Density[2] ASTM D-1037	36.9 lbs/ft3	32.9 lbs/ft3
Flame Spread ASTM E-84	76 – 200[5]	76 – 200[5]
Smoke Developed ASTM E-84	25 – 270[5]	25 – 270[5]
Flame/Smoke spread rating E-84	Class C	
Formaldehyde level E-1333	0.0 parts/million	

Panel Tolerances[2]	3/8″ to 3/4″
Thickness Tolerance	+/- 1/32″ (.031″)
Length & Width Tolerance	+0, -1/16″ (.062″)
Squareness	1/16″ (.062″)
Straightness	1/16″ (.062″)

[1]5 Panel Average. Product averages vary for individual thicknesses, consult sales or technical staff for exact properties [2]All tolerances and specifications apply at the time of manufacture. [2]ANSI 208.1 test result
[3]Calculations based on test averages of along and across grain
[4]Shelving physical properties based on limited 5 panel average. See web site for load table
[5]Flame and Smoke spread properties based on engineering calculations
[6]Shelving stiffness/bending properties are based on a limited 5 panel average

Weatherability

Sign Ready UV					
EMMAQUA* Outdoor Accelerated Weathering Test **Simulates 3.4 years in Florida and 2.9 years in Arizona**					
Test	CHALK UNWSH	COLOR CHNGE UNWSH	CRACK UNWSH	BLIST UNWSH	CHECK UNWSH
ASTM #	D 4214-97	D1729-96 (2003)	D661-93 (2000)	D 714-02	D660-93 (2000)
Coating Applied	None	None	None	None	None

*Equatorial Mount with Mirrors for Acceleration with Water
CHALK UNWSH = Chalking, Unwashed Area: ASTM D 4214-97 - Test Methods for Evaluating Degree of Chalking of Exterior Paint Films (Method A/Cloth Method)
COLOR CHNGE UNWSH = Visual Color, Unwashed Area: ASTM D1729-96 (2003) - Practice for Visual Appraisal of Color and Color Difference of Diffusely-Illuminated Opaque Materials
CRACK UNWSH = Cracking, Unwashed Area: ASTM D661-93 (2000) - Method for Evaluating Degree of Cracking of Exterior Paints
BLIST UNWSH = Blistering, Unwashed Area: ASTM D 714-02 - Method for Evaluating Degree of Blistering of Paints
CHECK UNWSH = Check, Unwashed Area: ASTM D660-93 (2000) - Method for Evaluating Degree of Checking of Exterior Paints

Standard Packaging:

Thickness	Sign Ready UV 1 Face, MDO/Prime Back Average* Weight lbs/SF	Sign Ready UV 2 Face Average* Weight lbs/SF	Pieces per Unit
3/8″	1.280	1.358	88
1/2″	1.513	1.592	66
5/8″	1.980	2.058	50
3/4″	2.360	2.438	44

Average product weights may vary +/- 10%

SignReady UV Lettering & Finishing Instructions

1. **Vinyl Tape:** SignReady UV™ is designed for use with most popular vinyl graphic and lettering tapes. It has shown good performance for adhesion and transfer properties with the following tapes:
   A. Gerber 3M® Scotchcal™ 220 & 280 and Quantum™ 2000
   B. Rexcal® (PMK)
   C. Arlon Calon® II
   D. Avery Graphics™ A4, A6 & A9 Opaque
   E. ORACAL® 651, 751 & 851
   F. Qual-Cal
   G. Styletech™ V2000 Series & V4000 Series
   Follow the tape manufacturers application procedures.
2. **Paintability:** SignReady has exhibited good adhesion with the following sign paints:
   A. One Shot Chromatic® Lettering and Background Enamel & "1 Shot"® Lettering Enamel
   B. Weather King II
   C. Norwest 201 White
   Recommendation: perform an adhesion test be to ensure the results.
3. **Wide Format, Digital printers:** SignReady UV is designed for most wide format, digital printers using UV cured inkjet technology.
4. **Edge Seal:** Fill and reseal cut edges or exposed wood at holes by:
   A. applying a least two coats of acrylic, polyurethane or polyurethane-acrylic based primers and paints;
   B. applying a thin coating of paintable exterior grade caulking, then applying primer and paint as above or;
   C. sealing the edges with exterior grade caulking, then a suitable edge cap (moulding).

Limited 5 Year Warranty

Olympic Panel Products warranties that the Olympic coating system applied to SIGNREADY UV™ MDO plywood, will not flake or peel for a period of 60 months from date it is put into service, or 66 months from date of production. This applies only to the original factory applied coating system.

Remedy:
Olympic Panel Products' sole and exclusive obligation under this warranty will be at its sole election to: (a) refinish or repair such panel in place, or (b) make an allowance equal to twice Olympic Panel Products' original selling price, pro-rated according to the following schedule:

a) During the first 24 months of warranty period; reimbursement = 100%.
b) During months 25 through 36 of warranty period; reimbursement = 75%.
c) During months 37 through 48 of warranty period; reimbursement = 50%.
d) During months 49 through 66 of warranty period; reimbursement = 25%.

End User Responsibilities:
1. Product must be handled consistent with good handling practices used with pre-finished products.
2. All cut, exposed edges must be properly sealed and refinished. A minimum of two coats, 4-5 mils wet each (2 mils dry each) of a high quality exterior acrylic edge coating system is considered a minimum.
3. Small surface scratches should be touched up with Sherwin Williams Order #B1-+01, A85W51/14 Exterior High Gloss Enamel and Extra White tinting base #6405-14774.
4. Proper documentation of purchase date must be presented with any claim.
5. Product for which claims are submitted must be available for inspection by Olympic Panel Products, or one of its representatives, for at least 60 days after any claim is submitted.

Exclusions:
1. Failure due to causes other than the coatings themselves, or application and curing of the coating system.
2. Damage caused by acts of God, fire, physical defacement or abrasion.
3. Damage caused by mishandling, or improper installation.
4. Failure caused from drilling, routing or machining the signboard surface.
5. Failure due to aggressive environments; i.e. salt spray, exposure to chemical fumes.
6. Failure due to improper edge finishing, or improper touch up.
7. Panels installed at more than 25^0 from vertical in exterior applications.

Warehouse Storage and Handling

- Store in a dry, clean, well-ventilated area indoors.
- Avoid temperatures and moisture extremes. Allow panels to equalize for 72 hours or more before use.
- Pieces must not be stored in contact with the ground.
- Limit the stacking height to four or five units. Separate units with clean, dry spacers of uniform thickness, aligned carefully. Use three spacers for panels 8' long, four or five spacers for longer panels.

Environmental Impact

Olympic Panel produces overlaid plywood from veneer peeled at the Olympic plant and from purchased veneer. All veneer and plywood panels are produced in accordance with the following principals:
- Logs originate in sustainable, secondary growth forests which are managed according to Federal and State laws and regulations.
- Olympic Panel uses energy efficient, environmental control technology to reduce emissions below federal and state guidelines.
- Olympic Panel uses process by-products to produce energy.
- Olympic's products are renewable, biodegradable and recyclable.

Warnings

This product contains 0.0 parts/million of residual formaldehyde from manufacturing. This product will generate wood dust from sawing, sanding, or shaping. Material Safety Data Sheets are available on Olympic's Web site at www.olypanel.com and upon request. Structural panels (PS-1) are exempt from California Air Resources Board regulations, however, this product is below CARB limits for all uses.

Sign Board

- **Highway® HDO** - Premium sign panel, prepped for reflective film.
- **SignReady UV™** - Prefinished, high gloss, paint/vinyl letter ready,
- 5 yr limited warranty.
- **Pre-finished UV™** - Prefinished, satin gloss, paint/vinyl letter ready, 2 yr limited warranty.
- **Signal® MDO** - Two Step®, hardwood faced, tightly laid core, ideal for cutout letters.
- **Pre-Primed MDO** – Exclusive, primed overlay, Two Step ®.
- **Crezon®/Two Step® MDO** - Premium paint grade.
- **Guardian® MDO** - Standard paint grade.

Olympic Panel Technical/Sales Information
204 East Railroad Avenue; Shelton, WA 98584
Sales phone: 800-782-7265   Sales Fax: 360-432-5081
www.olypanel.com

SUSTAINABLE
RENEWABLE RECYCLABLE
MADE IN THE USA

OLYMPIC PANEL
Products