Foundation & Framing

Standard Exterior Wall Waterproofing

GMX - ULTRA-SHIELD

EXTERIOR WALL WATERPROOFING

Ultra-Shield is a polymer modified sealer with excellent elastomeric properties. It is designed and recommended for use as the membrane component in an exterior wall waterproofing system. Ultra-Shield forms a tough, durable membrane which bridges shrinkage cracks, resists the attack of fungus, mold and bacteria and maintains its superior performance properties when exposed to chemicals found in the soil.

DURABLE, LONG-TERM MEMBRANE PROTECTION

Ultra-Shield forms a tough, flexible seal which protects below grade wall surfaces far longer than conventional damp proofing products. It resists mold growth, bacteria and chemical attack, and Ultra-Shield maintains its flexibility and integrity after years of extended exposure to water and soil.

Standard Sump Pump

HYDROMATIC®

W/D/V-A1

Submersible Sump Pump

- Basement Sumps
- Septic Tank Effluent
- Industrial Circulators
- Transfer Tanks

Automatic operation features wide-angle float switch (W-A1), or Hydromatic's exclusive pressure diaphragm switch (D-A1) or Hydromatic's vertical, mechanical float switch (V-A1). All switches feature a piggyback plug-in arrangement that allows for simple conversion to manual operation.

Cast iron body and an oil-filled motor provide superior cooling characteristics for longer pump life. Motor windings contain automatic thermal overload protection.

Energy efficient .3 HP motor pumps up to 38 GPM at 10' total dynamic head. Discharge is 1-1/2" N.P.T.

May be operated manually or automatically with a piggyback switch.

W-A1 Model

D-A1 Model

V-A1 Model

HYDROMATIC®
Pentair Pump Group

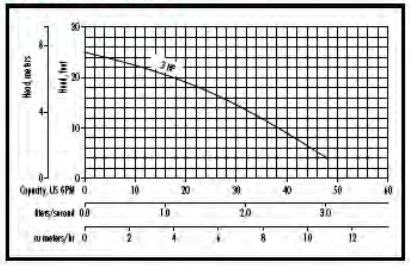
W/D/V-A1 - Submersible Sump Pump

Details

Pump Characteristics

Pump/Motor Unit	Submersible
Automatic Models	W-A1, D-A1 & V-A1
Horsepower	.3
Full Load Amps	8.0
Motor Type	Shaded Pole (4 pole)
R.P.M.	1550
Phase Ø	1
Voltage	115
Hertz	60
Temperature	120°F Ambient
NEMA Design	A
Insulation	Class A
Discharge Size	1-1/2" NPT (38mm)
Solids Handling	1/2" (13mm)
Unit Weight	23 lbs.
Power Cord	18/3, SJTW, 10' std. (20' optional)

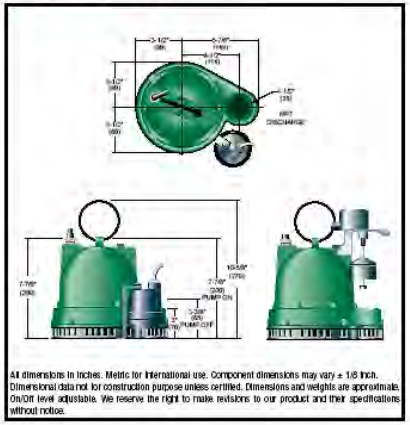
Performance Data



Materials of Construction

Handle	Stainless Steel
Lubricating Oil	Dielectric Oil
Motor Housing	Cast Iron
Shaft	Steel
Mechanical Shaft Seal	Seal Faces: Carbon/Ceramic Seal Body: Anodized Steel Spring: Stainless Steel Bellows: Buna-N
Impeller	Thermoplastic
Upper Bearing	Cast Iron Sleeve
Lower Bearing	Ball Bearing
Strainer/Base	Plastic
Fasteners	Stainless Steel

Dimensional Data



All dimensions in inches. Metric for international use. Component dimensions may vary ± 1/8 inch. Dimensional data not for construction purpose unless certified. Dimensions and weights are approximate. On/Off level adjustable. We reserve the right to make revisions to our product and their specifications without notice.

HYDROMATIC®
Pentair Pump Group

– Your Authorized Local Distributor –

USA
1840 Baney Road Ashland, Ohio 44805
Tel: 419-289-3042 Fax: 419-281-4087

www.hydromatic.com
ISO 9001 Registered Quality System

CANADA
269 Trillium Drive Kitchener, Ontario, Canada N2G 4W5
Tel: 519-896-2163 Fax: 519-896-6337

Item #: W-02-6570 5/01 5M

Standard OSB Roof/Wall/Floor Sheathing

OSB: Engineered To Perform
For Housing And Construction

In today's market, builders and designers don't need surprises from a structural panel. They need performance. **Performance by Design.®**

Oriented strand board (OSB) is ***engineered*** for superior construction strength, stiffness, and workability that make your project a structural success. Plus, OSB offers something more: economy and value. Competitive pricing and a high tech manufacturing process that eliminates panel imperfections mean less waste and improved profitability. OSB is available in common span ratings and thicknesses from 5/16" to 1⅛" – so it doesn't limit your designs.

PERFORMANCE YOU CAN BUILD ON. PANEL AFTER PANEL.

OSB manufacturing removes natural imperfections commonly found in other wood panels, imperfections like knot holes, core voids, and splits.

Panel after panel, OSB is uniform – virtually eliminating most waste and giving you performance you can build upon. And since OSB is ***engineered to perform***, it provides racking, impact and fire resistance, strength, stiffness, and thermal and acoustical properties.

OSB HANDLES LIKE ANY OTHER WOOD.

On site, OSB is highly workable. It covers large areas quickly and provides strength and rigidity to framing members during erection. Plus, OSB is approved by all major model building codes. It requires no special treatment, only the same degree of care as other wood panels. Panel edges are treated with a specially formulated moisture-resistant coating. Edges are available square-edged or tongue and groove for fast and easy installation.

SMALLER LOGS EFFICIENTLY USED

OSB uses only freshly harvested trees from sustainable, fast-growing forests such as aspen poplar, southern yellow pine, mixed hardwoods, and other suitable species.

UNIFORM STRANDS MEAN UNIFORM BOARDS

The trees are cut to length, debarked, and processed into precise strands averaging 4" long and 1" wide. The strands are dried, blended with resin binder and wax, and formed into large continuous mats.

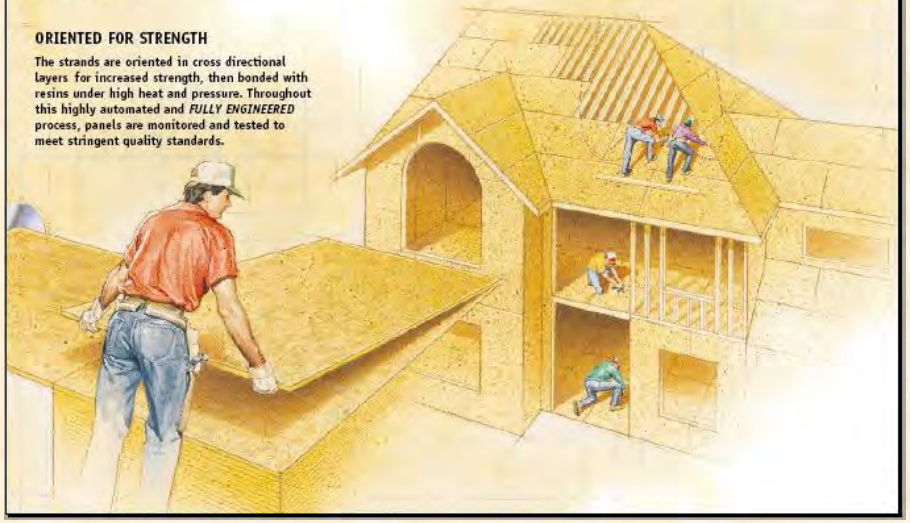
VERSATILITY, PERFORMANCE, AND A GOOD NIGHT'S SLEEP.

OSB is right for residential construction projects where strength, stiffness, and durability are required. Its reliability means less expense and fewer call backs.

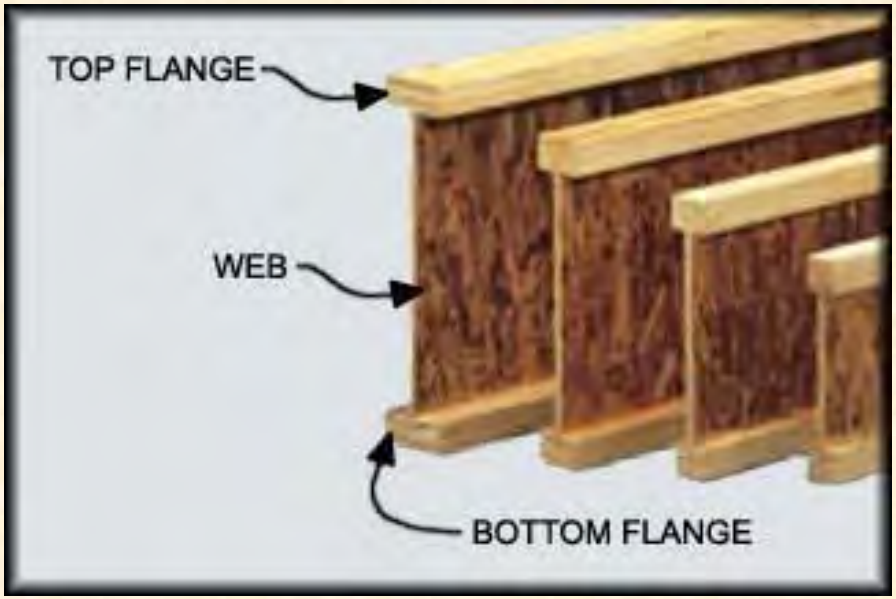
- **Wall Sheathing** – OSB provides excellent strength and racking performance under all types of exterior cladding.
- **Roof Sheathing** – Uniformly sound and extra rigid, OSB roof sheathing handles snow and wind loads.
- **Subfloors** – OSB provides a strong, rigid, and impact-resistant platform for underlayment, carpet, or tiles.
- **Single-Layer Floors** – Use OSB directly under carpet, lightweight concrete, or hardwood instead of both subfloor and underlayment.
- **Underlayment** – Uniformly thin yet strong and finely sanded, OSB underlayment provides extra smoothness and a uniform base for vinyl or tile.
- **Structural Insulated Panels** – OSB foam-core panels offer the utmost in R-value, fire resistance, and ease of installation. Structural Insulated Panels are the key structural component in "one-piece" construction, which is significantly stronger than similarly configured stick-built structures.
- **I-Joists** – Engineered wood I-joists with OSB webs provide a high quality support system that minimizes deflection and eliminates floor squeaking.

ORIENTED FOR STRENGTH

The strands are oriented in cross directional layers for increased strength, then bonded with resins under high heat and pressure. Throughout this highly automated and *FULLY ENGINEERED* process, panels are monitored and tested to meet stringent quality standards.



“I-Beam” Engineered Floor Joists



I-joists are ideal for bigger homes, bigger rooms, longer spans, and heavier loads. They are a strong, lightweight, dimensionally stable and an environmental conscious alternative to solid sawn lumber. I-Joists are engineered to span further than dimension lumber, providing a stiffer and quieter floor system while utilizing up to 50% less wood fiber. I-Joists are more uniform than solid sawn joists. They start straighter and stay straighter. There are knock-outs spaced on each joist so drilling is limited, and they also resist shrinking, twisting, warping, and splitting for squeak resistant floors.

Open Web Design Floor Joists

The benefits of manufactured wood truss floor systems are many. Floor trusses can span great distances, creating larger open spaces below unobstructed by columns and partitions. Also, the open web design allows for the trusses to expand and contract with humidity and heat. This can help ensure greater long-term stability and reduce the chance of annoying floor squeaks.

The truss systems are easier to install than traditional floor joists, and because they're manufactured in controlled environments, there's less chance of warping, shrinking, and twisting of lumber. Manufactured floor truss systems also save timber resources by reducing the amount of waste wood generated during construction.

The open web design also allows for utilities to be run between in the floor system without drilling or cutting holes.