**MDF**

**Ultralight MDF (MUL) & Light Density LDF**

for paint-grade and architectural millwork

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### Ultraplan MDF and Light Density LDF are paint grade products that provide wonderful architectural profiles at amazingly affordable prices.

Our Ultralight MDF, identified as MUL, is an ultra lightweight density fiberboard imported from Chile, and are produced from sustainable forestry management. MUL is not harvested from natural forests, nor does its fiber come from genetically modified or old-growth trees. The wood fibers, combined with resin, produce a product weighing similar to pine. While typical MDF moldings are much heavier in weight and, when installed, can pucker around nails, MUL moldings nail more like pine moldings. The combination of lighter weight and better nailing makes MUL moldings an ideal choice.

With costs less than finger joint pine, MUL and Light Density LDF are pre-primed, have no joints, will not crack, split, twist or warp and never have raised or inconsistent grain. Produced domestically, LDF has helped in replacing finger joint pine as the only reasonably priced paint grade product of choice. MUL and Light Density LDF are the moldings of choice for multi-million dollar homes, as well as entry to high-end tract housing. They are ideal for any home or office to improve on typical moldings without adding increased costs.

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### IMPORTANT NOTE ABOUT MDF

Wood products or wood by-products, such as LDF & Ultralight MDF, can expand and contract depending on climate conditions.

**IT IS CRITICAL TO ACCLIMATE ALL PRODUCTS PRIOR TO INSTALLATION.**

It is imperative to glue all straight and corner joints, as well as running a bead of glue along installed straight pieces.

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**WARNING:** Products listed in this publication can expose you to wood dust, a chemical known to the State of California to cause cancer. Drilling, sawing, sanding, or machining wood products can produce wood dust. Avoid inhaling wood dust, or use a dust mask or other safeguards, for personal protection. For more information, go to www.P65Warnings.ca.gov/wood.

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**KEY:**

- ▲ = NorCal (N)
- ▼ = SoCal (S)
- P = Crown Projection
- D = Crown Drop

**MUL** = Ultralight MDF (Ultralight Fiberboard)

**MDF** = Unprimed MDF

**LDF** = Lightweight MDF (Light Density Fiberboard)

**PB** = Particle Board

**FB** = Fiberboard

**MS** = Melamine Shelving

**MD** = Melamine Divider

**BB** = Base Block

**ROS** = Rosette

**PRE-MITERED CASING:** Available in 7 mitered pairs or sets

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</table>

**Notes:**
- N/S: Not Specified
BASEBOARD

Ultralight MDF Mouldings

ELWoodProducts.com

BASEBOARD

T&G WAINSCOT, CAP & BASE

Beaded T&G Wainscot
3/8 x 3-1/2
2000LDF N/S
3/8 x 5-1/2
2000LDF N/S
Flat T&G Wainscot
3/8 x 3-1/2
2000LDF N/S
3/8 x 5-1/2
2000LDF N/S
Reversible V-Groove/ Nickel Gap T&G Wainscot
5/8 x 5-1/2
2010LDF N/S
5/8 x 7-3/8
2000LDF N/S

Beaded T&G Wainscot
1/4 x 7
3/8 x 7-1/4
2005MUL S
2005LDF N
3/8 x 7-1/4
2005MUL N/S
2005LDF N/S

Shiplap
5/8 x 6
2010LDF N/S
5/8 x 8
2010LDF N/S

Wainscot Cap
with 3/8” rab/t
9/16 x 2-1/4
720LDF

Wainscot Base
5/8 x 7-3/8
2000LDF N/S

S4S & WALL CAP

Primed S4S

2 Eased Edge Wall Cap
**Panel Cap**

| Panel Cap | Panel Cap with 3/8” x 1/2” Rail 1-1/8 x 1-3/4 | Panel Cap with 3/8” x 1/2” Rail 1-1/8 x 1-1/2 | Panel Cap with 3/8” x 1/2” Rail 1-1/8 x 1-1/2 | Panel Cap with 3/8” x 1/2” Rail 1-1/8 x 1-1/2 | Contemporary Panel Cap | Panel Mould/
| 739MUL | 733MUL | 733MUL | 733MUL | 733MUL | 733MUL | Panel Mould |

**Flat Astragal**

| Flat Astragal/Panel Mould | 11/16 x 1-3/4 | 11/16 x 1-1/2 | 11/16 x 1-1/2 | 11/16 x 1-1/2 | 11/16 x 1-1/2 | 11/16 x 1-1/2 | Panel Mould |
| 646MUL | 646MUL | 646MUL | 646MUL | 646MUL | 646MUL | 646MUL |

**Interior Door Jams**

| Size | 6’/8’ | 8’/8’ | 17’ | Unsal |
| 4’ x 8’ | 4916MUL | 4916MUL | 4916MUL | 4916MUL |
| 6’ x 10’ | 514MUL | 514MUL | 514MUL | 514MUL |
| 7’ x 10’ | 514MUL | 514MUL | 514MUL | 514MUL |

**Specifications**

- 11’/16” Thick
- 6’/8’ – 81” Below Dado
- 6’/8’ – 97” Below Dado
- Lineal – 17’ – MDF
- Dado depth cut 3/4” over opening
- 5 pair per bundle
Built-ups allow you to combine multiple moulding profiles to produce customized looks that are easy to create without the expense of a custom milling solution.

Built-up combinations for ceiling, door, and floor applications can consist of a wide variety of arrangements. By using different combinations of Crown, Base, Casing, S4S, Chair Rail, and Panel Mold, you can make a more impressive statement with your moulding choices.
### Working With Moulding

#### The right tools for the job
- Quality Miter Box
- Tape Measure
- Hammer
- Finishing Nails
- Nail Set
- Coping Saw
- Wood Putty
- Carpenter's Wood
- Glue

#### Estimating
To estimate out how much moulding is needed, carefully measure the length of each wall where your moulding will be installed. Record the length of each piece and round up to the next foot. Total the footage needed and add 5 – 10% overage for cutting and trimming.

#### Mitering
Most miter joints are 45° angles. The moulding is either placed flat on the bottom of the miter box or against the back, depending on how the moulding is to be used. Each of the two mitered members are trimmed at opposite 45° angles. When fitted together, the two pieces will form a 90° angle. For tight mitered joints, nail and glue, then countersink the nails.

#### Splicing
It may be necessary to splice mouldings together along a wall. To do this, position the pieces in the miter box as if the back of the miter box was the wall. Miter the joining ends at a 45° angle.

This will allow one piece to overlap the other, making a scarf joint. Position the joint where the two pieces can be nailed into a solid piece of lumber, such as a stud, top plate or bottom plate. Gluing the joint will assure the joint stays closed.

#### Coping
Position the moulding in the miter box as if the back of the miter box was the wall when cutting the miter. Trim at a 45° angle. The resulting cut exposes the profile of the moulding, which serves as a guide line for the coping saw.

Following this profile with the coping saw at a right angle to the face of the moulding. This cut results in a duplication for the moulding pattern, which will then fit snugly against the face of the adjoining moulding.

#### Fastening
Conventional hammer or finish nailer can be used. A little glue and small diameter nails assure tight joints. If using a finishing nail gun, a setting of 100 to 110 PSI is advised to compensate for MDF’s dense surface. Fill the holes with wood putty, sand to blend, and then paint.

#### Painting
Factory primed mouldings permit the use of both water-based and solvent-based finish coat applications. Avoid using any catalyzed paints or varnishes. A second prime coat or scuff sanding is optional. Apply the finish coats with brush, roller or sprayer using flat, semi-gloss, enamel or lacquer; whatever suits your room’s style.

#### Jigs
Many projects require picture framing techniques of extreme accuracy. A jig is a framework in which frames are made more rapidly and uniformly. The inside dimensions of the jig equal the outside dimensions of the frame. The jig consists of stock lumber pieces nailed to any flat surface. Blocks can be used where necessary to straighten mouldings against the side of the jig.
Benefits of using ValuFlex

- More flexibility, which creates less stress when curved or bent
- Less stress means less chance of cracking or splitting in the future
- Matches wood profiles better with less shrinkage
- Better definition of detail
- Paints or stains beautifully
- ValuFlex comes with a limited 5 year warranty against cracking or splitting

General Information

- Just about all of EL & EL profiles can be reproduced in flexible moulding.
- ValuFlex has been formulated for a strong tear strength and is recommended for all flexible moulding applications.
- The maximum length of flexible product is 12’ and the minimum length is 5’.
- All resin is sold by the whole foot only. However, profiles such as 304, 310, 311, 314, 329, and 330 are available in 50’ rolls.
- Custom profiles are available and made to order.

Manufacturing of ValuFlex

Flexible moulding is sold in straight and pre-formed pieces. Straight pieces are used for standard base, chair rail and jamb applications. Casing, crown and built-up applications require pre-formed pieces. Pre-formed pieces are achieved by providing precise measurements, radius or a template. Pre-formed pieces only have a variance of approx. 1” to 2”, hence the importance of precise information. Curved crown applications, by far the most diverse, require a few simple rules of thumb (see Calculating Radiussed Moulding below) to easily accomplish a perfect fit without stressing the material. A built-up is several pieces of mouldings put together, making a more dramatic application.

Calculating Radiussed Moulding

The smallest inside radius a part can be made is three (3) times the profile's width. Example: a 4½” wide crown’s smallest radius is 4½” width x 3 = 13½”

No warranty on external use of ValuFlex.

ValuFlex Flexible Moulding is custom manufactured on our premises.

Straight flexible base is available for immediate delivery.

Radiussed flex is available within 2-5 working days.
Majestic Mantels by EL & EL are constructed using Poplar, Solid Oak, and a more economical version constructed of Ultralight MDF. The EL & EL style of shelves are easy DIY “flush mount”, with a bottom projection of 3 ¼” inches.

All shelves are available in 2’ thru 6’ lengths, and in Nine (9) different styles. Custom lengths and special order options are available (check with your local dealer).

**Charleston Primed** 4-⅞” Tall x 7-¼” Deep
MAN413MUL Ultralight MDF

**Large Charleston** 6-¾” Tall x 9-¼” Deep
MAN410MUL Ultralight MDF

**Carolina** 4-⁵⁄₁₆” Tall x 7-¼” Deep
MAN423MUL Ultralight MDF

**Imperial** 4-⅝” Tall x 7-¼” Deep
MAN810P Poplar

**Embossed/High Relief** 5-⅝” Tall x 7-¼” Deep
MANCM83 Poplar

**Acanthus Leaf Embossed/High Relief** 4-⅝” Tall x 7-¼” Deep
MANCM8810 Poplar
## Moulding & More

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At EL & EL we pride ourselves on having the best selection of quality products available, in stock and ready to ship next day, so you don’t have to wait for your order.

Offering exclusive partnerships with many leading brands in the industry, we back up all our products with some of the best guarantees in the market.