

## WHAT MAKES ACERAY'S INJECTION MOLDED SEATING PRODUCTS SUPERIOR TO TRADITIONAL ONES?

The POLYURETHANE MOLDING process enables us to obtain SEATING with high QUALITY and DURABILITY. Below is a list of advantages of our cold cure polyurethane products compared to traditional ones.

**OUR MOLDED  
POLYURETHANE PRODUCTS**  
(METAL FRAME + COLD-CURE PU MOLDING)

VS.

**TRADITIONAL SEATING PRODUCTS**  
(WOODEN FRAME + CUT FOAM)  
Made by our competitors



### 1. STRENGTH OF THE INNER FRAME:

- Engineered with a durable, welded metal frame.
- Longer lasting than wood.
- Provides greater product lifetime.

### 2. SUPERIOR seat and backrest COMFORT:

- Use of high-quality, heavy-duty webbing.
- Polyurethane will not become misshapen.

### 3. UNIFORM SIZE OF MOLDED ARMCHAIRS:

Creating the chairs from a mold ensures size and shape with no differences - uniformity of each product

### 4. INDEFORMABILITY AND LONGEVITY:

Due to the high density of polyurethane (3.2–3.5 PCF) the product will last 5 or more years in commercial environments mold's high level features.

### 5. OPPORTUNITY TO CREATE SHAPES:

Molded polyurethane provides a good flexibility in the chair shape design.

### 6. ENVIRONMENTAL PROTECTION:

Our polyurethane is water expanded and does not contain CFC (dangerous for ozone) or harmful environmental substances. Durable products significantly reduce environmental problems related to their disposal.

### 7. FIRE RETARDANT CLASSIFICATION:

Aceray's molded polyurethane is always fire retardant and passes CAL 117 and some pass TB 133.

### 1. WEAKNESS OF THE INNER FRAME:

- Frame made out of chipboard, or thickness reduced wood.
- Glued joints becoming loose over time, causing the frame to sway or break.

### 2. Seat and backrest DISCOMFORT:

- Stiffness of the inner wood frame.
- Deformability of cut foam.
- Pressure points are created with low density foam or wood.

### 3. VARIABLE ARMCHAIR SIZES:

A lot of gluing and hand work means slight product variances.

### 4. DEFORMABILITY AND TEAR OF CUT FOAM:

Cut foam is generally made with lower density materials. Rapid breakdown will cause shorter product lifetime.

### 5. IMPRACTICALITY OF SOME SHAPES:

Using wood or cutting foam from a block creates limitations in chair design and confines to standard shapes.

### 6. POTENTIAL HARM TO THE ENVIRONMENT:

Cut foams may not be water expanded and may contain substances which are dangerous to the ozone and harmful to our environment.

### 7. FIRE RETARDANT CLASSIFICATION:

Block cut foams exist both as fire retardant and non-fire retardant. Specifications need to be followed carefully.