

## RESIN TYPES - THEIR ADVANTAGES & DISADVANTAGES

There are several types of resins that Fiberglass Coatings offers. This page is a high level look at the advantages and disadvantages of each resin. If you need more detail please call one of our technical support representatives to get all of your questions answered.

### **NSR or Boatyard**

1. Inexpensive
1. Highly inhibited for longer shelf life
2. Stays liquid longer
3. Shouldn't be used below the waterline
2. Shows cosmetic defects

### **GP Marine**

4. Highly inhibited for longer shelf life
1. Fast wet-out
2. A good industrial laminating resin
3. Water can bleed through and cause blisters or laminating problems

### **Boat Builder or Low Profile**

5. Designed for boats that don't stay in the water
1. Higher heat temperature distortion
2. Better water resistance
3. Low shrink - good cosmetically

### **Isophthalic**

6. Corrosion resistance
1. Good chemical resistance
2. High strength

### **Vinylester**

7. High water barrier resistance
1. Better bonding strength
2. Helps to prevent osmotic blistering
3. Better physical strength

**Orthophthalic (GP100)**

8. Absorbs less water
1. Shrinks less - good cosmetically
2. Good for hand wet-out
3. Can be used above or below the waterline

**Clear Casting**

9. Colorless and clear as ice
1. Used for casting and embedding

**Surfboard**

10. Clear, wax free
1. Designed for surf and sail board building or repair