

# POLYSTAR, INCORPORATED

## POLY CURB *Product Specification*

**PURPOSE:** POLY CURB is designed to be used as secondary containment for liquid and solid products considered to be harmful to the environment if leaked from their primary containment device. Applications include chemical storage tanks, product storage tanks, drums, pails, pump basins, hazardous material work areas, process waste treatment sites, rainwater runoff diking, secondary containment for tools or other small objects or similar applications. For proper use, POLY CURB must be secured to clean, level concrete substrate and sealed with an appropriate sealant. For other substrates, the POLY CURB must be used in conjunction with an appropriate non-porous, fabric liner. POLY CURB is manufactured in a 3" high *Stealth* profile and a 6" high *Box* profile. Nominal footprint is 10 ¾" for the 3" high *Stealth* POLY CURB and 11½" for the 6" high *Box* POLY CURB including the mounting flanges.

**SCOPE:** This product specification covers materials, construction and workmanship, physical properties, chemical resistance and methods of testing.

**MATERIAL:** Premium fiberglass material, woven roving and industrial grade isophthalic or vinyl ester resin as manufactured by *Ashland Chemical* or equivalent are used in construction. A gelcoat surface resin of equal chemical resistance, with the additive antimony trioxide for flame retardance and U.V. protection is included. The flame spread rating is Class II. Tested by ASTM E-84.

**STRUCTURE:** Fiberglass reinforced construction is formed by combining resin with controlled amounts of fiberglass cloth, mat, chop and woven roving. A corrosion barrier of not less than 30 mils meets standards PS 15-69 to ensure product consistent quality.

### **TABLE 1: PROPERTIES OF REINFORCED FIBERGLASS SINGLE LAMINATES OR DUAL LAMINATES WHEN THICKNESS IS SPLIT AND USED WITH A COMPOSITE CORE:**

Property at 73.4° F (23° C)	3/16" Thickness
Ultimate minimum tensile strength (PSI)	9,000
Flexural minimum strength (PSI)	16,000
Flexural minimum modulus of elasticity (Tangent in PSI)	700,000

**OPERATING TEMPERATURE:** Maximum operating temperature may not exceed 200° F with incursions through 225° F.

**QUALITY ASSURANCE:** POLY CURB are manufactured and tested according to standards PS 15-69 and 41-GP-22, Canadian and SP/MTI Quality Assurance Report for FRP Corrosion Resistant Equipment.

**WARRANTY:** POLY CURB is warranted against defects in workmanship and materials for a period of one (1) year from date of purchase. Repair or replacement is at the discretion of the manufacturer. Customer or third party damage is excluded from warranty coverage.