



# SIGNET FIBERGLASS DOOR WITH WOOD FRAME SPECIFICATIONS

## **General:**

Doors shall be pre-finished, pre-hung, new construction and Signet fiberglass entry doors as manufactured by ProVia Door, Inc. and complete with wood frames, wood brickmold, and adjustable, thermally broken threshold.

## **Door Construction:**

Door slab shall be 1 3/4" thick and fabricated using two fiberglass reinforced engineered sheets (0.093" thick) structurally laminated over a solid oak perimeter frame providing a square edge design. The core of the door is foamed in place polyurethane chemically bonded to all interior surfaces. Stiles and rails are dovetailed and glued at each corner creating a structurally solid, integrated frame. The door skins can be flush or embossed, with stainable, woodgrain texture. The 4 1/4" finger-jointed 4-ply hardwood strike stile with square edge design provides unparalleled strength. The lock face preparation shall be a 2 1/8" bore at a backset of 2 3/8" or 2 3/4" as ordered. Lock edge preparation shall be 1" x 2 1/4" mortise with rounded corners. The inner core of the door shall be foamed in place, with self-hardening polyurethane, chemically bonded to all inner surfaces of steel skins. A high-performance, composite material is utilized on all Signet Fiberglass bottom rails giving excellent rot-resistance.

## **Finish:**

The finish coat is a custom formulated DuraFuse™ Finishing System, featuring P<sup>3</sup> Fusion. A two-part (1.2 mil thick) urethane paint oven cured to create a durable, smooth finish. Optional one or two color finish (one color inside and a different color outside) can be selected from 16 standard designer colors offered by ProVia Door. Optional stained wood grain in 7 stain colors is available.

## **Frame Construction:**

Frame and brick mold to be primed, finger-jointed, high-grade radiata pine which is sealed against moisture utilizing PineGuard® Rot Resistant Finish, to fit standard 4 5/16" jamb depth. Optional jamb depth is available upon request.

## **Cladding:**

Textured vinyl coated (0.019 thick) formed aluminum cladding for frame and brick mold available in 12 colors to create maintenance free exterior.

## **Weatherstripping:**

Bottom sweep of high-quality thermal plastic rubber and a perimeter seal of foam filled compression weather-strip (Q-Lon).

## **Threshold:**

Custom designed, heavy-duty extruded anodized bronze threshold with a 1 1/4" high, oak-look, adjustable, thermal barrier riser.

## **Glass:**

Insulating glass comes standard at 1" thick. Glass with high performance Low-E argon or Krypton gas fill, with dust free internal grids, and decorative glass in various designs and sizes are available.

## **Hardware:**

To be selected from a variety of top quality locking hardware, deadbolts, door knockers/viewers, peep-sites, pet doors, mail/magazine slots, closers, push/pull plates, etc.

## **Testing:**

Doors have been tested and certified to NFRC (National Fenestration Rating Council) 100 and NFRC 200 guidelines enabling the ENERGY STAR Thermal Performance Qualification.

| Signet Fiberglass Door | Test Performed                               | Result   |
|------------------------|--|--|
| Impact Test            | ASTM F476 Security Test                      | Maximum Security Level of 40                                     |
| Wind Load Rating       | ASTM E330-97 Transverse Wind Load Resistance | DP (Design Pressure) = 60 psf - Equivalent of 155 mph Wind Speed |