Turncraft Poly-Classic® Columns Pass Flame Spread and Smoke Density Test
(Patent Applied For)

OVERVIEW

FEATURES & BENEFITS
- Poly-Classic Columns now have a Flame Spread Index (FSI): of 15. This index puts the Poly-Classic Column in a Class I Flame-Spread classification under the 1997 uniform fire code. This is an industry first for FRP columns.
- Poly-Classic Columns also have a Smoke Developed Index (SDI) of 335. This index is well below the allowable SDI index of 450. This is also an industry first for FRP Columns.
- Industry standard FRP columns have a typical Flame Spread Index (FSI) of 70-85 and a Smoke Developed Index (SDI) of 900-1025.
APPLICATIONS

Poly-Classic Columns now pass the ASTM E, 84-01 test for interior applications in markets where the building code officials have started to enforce Section 318 of the 1995 CABO One and Two Family Dwelling Code or Section 803.3.2 of the 1996 BOCA National Building Code.

SPECIFICATIONS

- Test Data
  - UNROUNDED FSI: 15.5
  - UNROUNDED SDI: 335.8
  - FS*TIME AREA (Ft*Min): 30.2
  - SMOKE AREA (%*Min): 273.2

OBSERVATIONS DURING TEST
- IGNITION TIME (Min:Sec): 3:31
- MAXIMUM FLAME FRONT ADVANCE (Ft.): 7.0
- TIME TO MAXIMUM ADVANCE (Min:Sec): 10:00
- MAXIMUM TEMP. AT EXPOSED TC(*F): 563
- TIME TO MAXIMUM TEMP. (Min:Sec): 9:57
- TOTAL FUEL BURNED (Cu.Ft.): 52.4
- DRIPPING (Min:Sec): None
- FLAMING ON FLOOR (Min:Sec): 8:15
- AFTERFLAME TOP (Min:Sec): 3:00+
- AFTERFLAME FLOOR (Min:Sec): 3:00+

Full test results available on request.