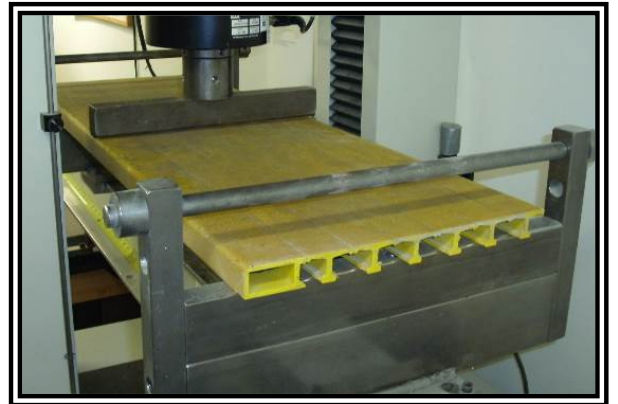
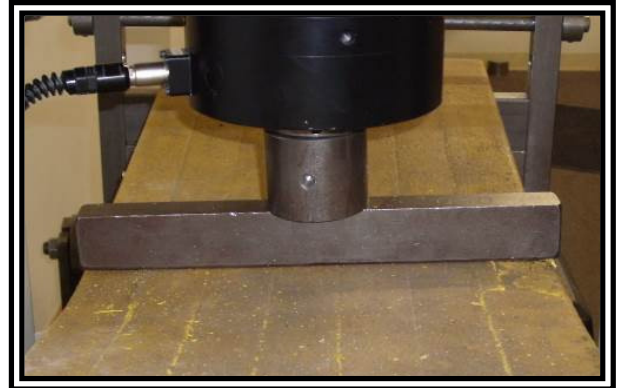
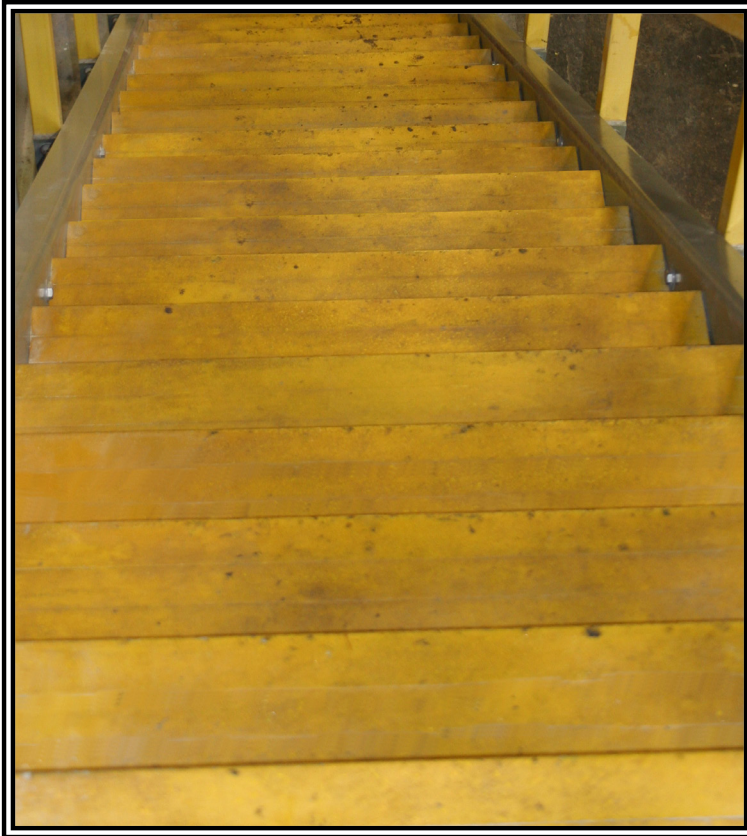


STRONGWELL®

APPLICATION PROFILE



STAIR TREAD STANDS THE TEST OF TIME OVER 20 YEARS

In 1993, a manufacturing company in Virginia installed a set of FRP stairs made with EXTREN® structural shapes and DURAGRID® T0000-1" Pultruded Grating Stair Treads in a high foot traffic area of one of its plant locations. The company chose FRP due to its light weight and high strength properties, ease of installation and most importantly, FRP's resistance to corrosion.

After 20+ years of active service, the company removed one stair tread for lab testing of the tread's residual flexural strength and modulus. Test results showed that after numerous years in a manufacturing environment, the stair tread still exceeded current load table values. In the test, it took 695 lbs. to flex the tread ¼" and 6,429 lbs. before failure occurred. Anticipated load failure was ~5,200 lbs on a 30 inch test span (Note: Load Table Modulus is 4.0×10^6 psi; Test Modulus was 4.24×10^6 psi). Based on this test, it is reasonable to assume these stairs should last many years into the future. ●

20+ YEARS OF SERVICE

TECHNICAL DATA

Product: Pultruded Grating Stair Treads
Process: Pultrusion
Materials: EXTREN® Structural Shapes
DURAGRID® Pultruded Grating
Sizes: T0000-1" PEFR
11.75" W x 33" L
D-nosing + 6 bearing bars at 1.625" O.C.
For: Manufacturing Facility in Virginia

STRONGWELL



Bristol Location
400 Commonwealth Ave.
Bristol, VA 24201
(276) 645-8000
FAX: (276) 645-8132

Chatfield Location
1610 Highway 52 South
Chatfield, MN 55923
(507) 867-3479
FAX: (507) 867-4031

www.strongwell.com

APPLICATION PROFILE **842**

PULTRUDED GRATING STAIR TREADS