



U. S. Department of Homeland Security
United States Coast Guard
Certificate of Approval

Coast Guard Approval Number: 164.040/16/0

Expires: 01 May 2020

FIBER REINFORCED PLASTIC GRATING

STRONGWELL
CHATFIELD DIVISION
1610 HIGHWAY 52 SOUTH
CHATFIELD, MN 55923-9799

Duragrid ASTM F3059 38mm and 45mm phenolic fiber reinforced plastic (FRP) gratings approved as meeting structural fire integrity Level 2 (L2) and surface flammability requirements of ASTM F3059-15.

Each pultruded grating model has a maximum unsupported span of 1118 mm (44 in) and a maximum bearing bar spacing of 38.1 mm (1.5 in) on center. Duragrid 38mm has a bearing bar thickness of 38.1mm (1.5 in), and Duragrid 45 mm has a bearing bar thickness of 45mm (1.77 in).

U.S. Coast Guard NVIC 9-97 CH.1 identifies the locations and the applications acceptable for FRP gratings.

Identifying Data: USCG letter dated September 13, 2016. Strongwell letters dated May 2 and May 5, 2016.

For Duragrid 38mm only: Intertek Project Nos. 102299027SAT-003A dated November 25, 2015 (ASTM F3059-15 Section 17) and 102429778SAT-003A/B Rev 1 dated February 5, 2016 (ASTM F3059-15 Section 16).

For Duragrid 45mm only: SwRI Project No. 01.14431.01.309 dated February 18, 2009 (ASTM F3059-15 Section 17). SwRI Project No. 01.14430.01.084b dated February 17, 2009 and Intertek Project No. 102337218SAT-001A November 12, 2015 (ASTM F3059 Section 16).

All Duragrid 38mm and 45mm FRP grating reinforcements, resins, adhesives, and construction details are as indicated in the Follow-up Procedure Document, SwRI Project No. 01.25000.02.184 Revision 2, issued July 2016.

Follow-up Program: SwRI.

Manufacturing location: 1610 Highway 52 South, Chatfield, MN, USA.

Valid only for products manufactured at the above location.

Extends certificate dated September 13, 2019.

*** End ***

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.

GIVEN UNDER MY HAND THIS 06th DAY OF
JULY 2019, AT WASHINGTON D.C.



B. A. BALDWIN
Chief, Lifesaving and Fire Safety Division
BY DIRECTION OF THE COMMANDANT