



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

Coast Guard Approval Number: 164.141/36/0

Expires: 12 November 2024

PLASTIC PIPING SYSTEMS

Georg Fischer, LLC
9271 Jeronimo Road
Irvine CA 92618

SeaCor Pipes and Fittings.

SeaCor schedule 80 pipe of nominal diameters 1/2" to 12" meet Low Flame Spread, and Smoke and Toxicity requirements of the FTP Code Annex 1, Parts 2 and 5. May be installed in concealed spaces in accommodation, service, and control spaces, and need not meet the additional requirements of 46 CFR 56.60-25(a) (2).

SeaCor piping has not been subjected to fire endurance testing and is therefore not suitable for applications requiring fire endurance testing as specified in IMO Resolution A.753(18).

Identifying Data: Test Reports: SwRI Project Nos. 01.16052.01.647a and 01.16052.01.647b dated 16 November 2011. Follow-up Procedure Document No. 01.025000.02.198, Revision No. 1 dated January 2012.

Valid only for products manufactured at:

Georg Fischer Harvel, LLC
7777 Sloane Drive
Little Rock, AR 77206

Product must be installed in accordance with manufacturer's guidelines; all bonders must hold ASME B31.3 bonder qualifications certificates.

Extends certificate dated November 12, 2014.

*** 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 12th DAY OF
NOVEMBER 2019, AT WASHINGTON D.C.



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

TERMS: The approval of the item described on the face of the Certificate has been based upon the submittal of satisfactory evidence that the item complies with the applicable provisions of the navigation and shipping laws and the applicable regulations in Title 33 and/or Title 46 of the Code of Federal Regulations. The approval is subject to any conditions noted on this Certificate and in the applicable laws and regulations governing the use of the item on vessels subject to Coast Guard inspection or on other vessels and boats.

Consideration will be given to an extension of this approval provided application is made 3 months prior to the expiration date of this Certificate.

The approval holder is responsible for making sure that the required inspections or tests of materials or devices covered by this approval are carried out during production as prescribed in the applicable regulations.

The approval of the item covered by this certificate is valid only so long as the item is manufactured in conformance with the details of the approved drawings, specifications, or other data referred to. No modification in the approved design, construction, or materials is to be adopted until the modification has been presented for consideration by the Commandant and confirmation received that the proposed alteration is acceptable.

NOTICE: Where a manufacturer of safety-at-sea equipment is offering for sale to the maritime industry, directly or indirectly, equipment represented to be approved, which fails to conform with either the design details or material specifications, or both, as approved by the Coast Guard, immediate action may be taken to invoke the various penalties and sanctions provided by law including prosecution under 46 U.S.C. 3318, which provides:

"A person that knowingly manufactures, sells, offers for sale, or possesses with intent to sell, any equipment subject to this part (*Part B. of Subtitle II of Title 46 U.S.C.*) and the equipment is so defective as to be insufficient to accomplish the purpose for which it is intended, shall be fined not more than \$10,000, imprisoned for not more than 5 years or both."