News Release

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FGIA Releases Updated Fiber Reinforced Thermoset Profiles Specification

SCHAUMBURG, IL – The Fenestration and Glazing Industry Alliance (FGIA) has updated a specification establishing performance requirements for fiber reinforced thermoset profiles for use in fenestration products. [AAMA 305-24](https://store.fgiaonline.org/pubstore/ProductResults.asp?cat=0&src=305), *Voluntary Specification for Fiber Reinforced Thermoset Profiles*, an FGIA document, is now available for purchase in the FGIA online store. This document was last updated in 2022.

Fenestration products made with fiber reinforced thermoset profiles that meet the requirements of this specification are expected to perform well in actual use, assuming adequate product design. The requirements include flexural strength, flexural modulus, water absorption, coefficient of thermal expansion, heat deflection temperature, weight tolerance, dimensions and lead content. These requirements define structural performance, physical requirements, weight and dimensional requirements and lead content to ensure that profiles do not contain lead in excess of U.S. safety standards.

“The minimum performance requirements established in this specification are based on the experience and many years of research and testing by the fiberglass fenestration industry,” said Robb Plagemann ([Marvin Composites](https://marvincomposites.com/)), Chair of the Fiber Reinforced Thermoset Profiles Update Task Group. “The fiberglass fenestration industry is comprised of resin, glass, additive and coating suppliers, profile manufacturers and fenestration fabricators and is represented by the Fiberglass Material Council of FGIA.”

This specification will assist the architect, contractor, manufacturer, designer, and owner in specifying fiber reinforced thermoset profiles for interior and exterior use in fenestration products, which may have to provide and maintain a standard level of weathering performance. This specification applies to profiles including the main-frame, sash, and all structural components related to glass retention and/or structurally divided lites.

[AAMA 305-24](https://store.fgiaonline.org/pubstore/ProductResults.asp?cat=0&src=305), as well as other documents available from FGIA, may be purchased from the online store at the discounted member rate of $20 or the non-member price of $60. [NAFS](https://store.fgiaonline.org/pubstore/ProductResults.asp?cat=0&src=440), which references AAMA 305, is also available for purchase.

For more information about FGIA and its activities, visit [FGIAonline.org](https://fgiaonline.org/).

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