



National Fenestration Rating Council Incorporated

NFRC 601-2008_[E0A0]

NFRC Unit and Measurement Policy

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FOREWORD

The National Fenestration Rating Council has developed a uniform national rating system for energy performance characteristics of fenestration products.

The rating system is reinforced by a product certification program under which ratings determined by NFRC accredited laboratories are reviewed and authorized by NFRC licensed independent certification and inspection agencies (IAs) as conforming to NFRC requirements. Under the certification program, fenestration manufacturers may label products using an NFRC certification mark to indicate these ratings.

This document is a supplement to NFRC Technical documents, Program Documents, supplemental documents and other applicable tools to establish the NFRC's Units and Measurement methodology for determining rating values.

Questions on the use of this procedure should be addressed to:

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1. UNIT POLICY

The following policy shall apply to all NFRC Technical Procedures, Program Documents, supplemental documents and other applicable tools:

1.1 Policy for Metric/Inch-pound in NFRC Procedures and Documents

- a. SI units (Metric) shall be listed first, with inch-pound in parentheses:
X.XX (X.XX)
- b. SI units (metric) shall be the primary unit unless otherwise specified.
- c. The converted number shall carry the same level of precision as the primary number.
- d. Conversion from SI units (metric) to inch-pounds shall be to the same precision. (IEEE/ASTM SI 10-2002)
- e. For rating purposes, using NFRC-approved simulation software tools, the rounding shall only be performed on the rating after the rating has been determined in metric units and the calculations, including conversions, are complete.
- f. Data from NFRC-approved simulation software tools to be used in NFRC approved upload spreadsheets shall be obtained in the following manner: data obtained from NFRC Approved Software will be at 15 decimals and truncated to 6 decimals.
- g. Values from NFRC Approved Software which are listed in all NFRC CPD Upload Spreadsheets shall contain 6 decimals, where applicable.
- h. Rounding of numerical values shall be per Section B.6 Rounding Values in IEEE/ASTM SI 10-2002 except item (c).
- i. Conversion factors used shall be per Table A.1 in IEEE/ASTM SI 10-2002 unless otherwise specified.