

Hardware Highlights



ANSI/BHMA A156.22-2012 American National Standard for Gasketing

Standard ANSI/BHMA A156.2-2011 establishes requirements for the performance and installation of gasketing systems, including intumescents applied or mortised to doors, frames, or both. For further information, consult the full standard, ANSI/BHMA A156.22 for Gasketing.

BHMA has created this series of *Hardware Highlights* to provide useful, accessible information about builders hardware for anyone with an interest in devices that hang, control, secure, and trim the doors. BHMA is the trade association which represents almost all of the North American manufacturers of builders hardware. One of its main activities since 1983 has been the development and maintenance of ANSI-approved standards for 35 separate product categories.

Product Performance: Purchasers of gasketing certified to A156.22 (<http://buildershardware.com/cpd>) can be assured products will perform to their expectations.

Below are an explanation and some examples of the evaluations conducted for certification:

ADHESION	ENERGY, SMOKE & ACOUSTIC	INTUMESCENT	AUTOMATIC DOOR BOTTOMS
All types of gasketing are required to pass an adhesion test. Acceptable products shall reach a temperature of 160 degrees F (71C) minimum for at least 10 minutes without slippage exceeding 1/16 inch from the original reference mark.	Gasketing can provide numerous properties that contribute to the efficiency and comfort of a building. Tests are definite for energy performance, resistance to smoke infiltration, and airborne sound transmission.	There is a dedicated section in the standard to evaluate intumescent gasketing used to prevent the spread of fire. Examples of tests include: artificial weathering, heat exposure, and solvent and oil exposure.	To ensure their durability, Grade 1 automatic door bottoms are cycles 1 million times and shall continue to operate with a maximum force of 10 lbf and retain 90% linear contact area with the threshold.

Building Codes Builders hardware provides several attributes that are essential to building safety and performance, including egress and fire protection. BHMA locksets are designed to comply with all applicable requirements. For example, hardware for fire doors is evaluated and listed to UL 10C by an accredited third-party testing laboratory.

Sustainability Gasketing contributes to building sustainability through its verified durability, as well as material characteristics such as recycled content and recyclability. The reliable closing and sealing of openings can also contribute to energy conservation. BHMA has developed Product Category Rules, which will further define sustainability requirements and guide life cycle assessments and environmental performance declarations.

Type Numbers: Another significant contribution of standards for product specification is a numbering system for lock function. Please consult A156.22 for the full list; an example is provided here:

Head and jamb type, two piece interlocking. Applied to frame stop and door face. Screw fastened. Slotted holes for adjustment. R0Y104 R0Y105

