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**Table 27**  
**Testing Pressures and Performance Class**

<u>Class</u>	<u>Pressure</u> (kgf/m <sup>2</sup> )	<u>Application</u>
80	80	One story houses
120	120	One to two story houses
160	160	One to three story wooden houses
200	200	Apartments of one to six stories
240	240	Apartments of one to twelve stories
280	280	Highrise apartments
360	360	Highrise apartments

Source: Japanese Standards Institute; K. F. International, Inc.

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According to the standards, air infiltration testing, doors and windows are divided into several classes. In the tests, initial pressure of 25kgf/m<sup>2</sup> is applied for one minute and air infiltration is tested at four pressure differences (1kgf/m<sup>2</sup>, 3, 5 and 10). Air infiltration should satisfy the infiltration curve as defined in JIS A 1516. Class 120 must have air infiltration of 120m<sup>3</sup>/h.m<sup>2</sup> and less.

Class and application relationships are set out in Table 28. Classes available for door sets are from 8 to 120, doors from 2 to 120 and windows from 2 to 120.

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**Table 28**  
**Air Infiltration Classes**

<u>Class</u>	<u>Application</u>
120	Parts requiring high air infiltration
30	Houses
8	Houses requiring quietness and thermal insulation
2	Noise reduction and thermal insulation buildings

Source: Japanese Standards Institute; K. F. International, Inc.

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In the JIS water tightness test, water corresponding to a 240 mm/hr precipitation rate is sprayed and pulsing air pressure is added to simulate typhoons. Water should