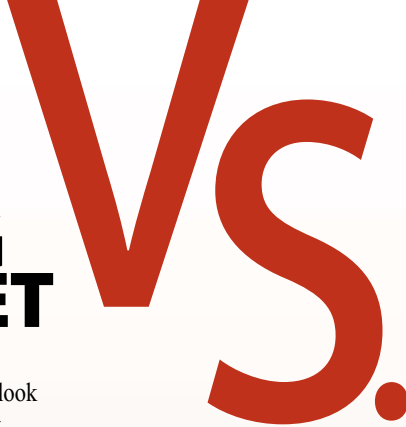


# ROLLING SHEET



# ROLLING SLAT DOORS



By Bray Allen, DBCI

From a distance, rolling sheet doors look the same as rolling slat doors. They both have metal curtains with horizontal members and operate vertically, wrapping around a barrel covered by a hood. They each use windlocks for high-wind applications.

However, close up, these two types of doors are quite different. Sheet doors have a continuous connection of horizontal members acting as a solid curtain. Slat doors comprise interlocking slats. Guides for sheet doors are light-gauge metal; slat door guides are structural steel angles.

Other rolling sheet door components are different as well, because they are lightweight. For example, rolling sheet doors are never fire rated, as are some rolling slat doors.

## Different Doors, Different Uses

But why the differences? The answer lies in the product application. Rolling sheet doors are common in light commercial applications such as self-service storage buildings. Rolling slat doors are geared toward medium to heavy uses, including fire resistance.

DASMA saw the need to address rolling sheet doors as a unique product and formed the Rolling Sheet Door Committee. The Committee recently published the following documents for industry use.

- **DASMA 207** is a voluntary standard for rolling sheet doors. It includes provisions for components, operation, maintenance, and more.
- **Technical Data Sheet 286** contains maintenance and performance evaluation guidelines for rolling sheet doors, including its brackets, guides, hoods, curtains, operation, and product safety labels. TDS 286 does not replace any content in the door manufacturer's instructions.
- **Technical Data Sheet 289** discusses rolling sheet door accessibility in self-service storage buildings, reviewing ICC/ANSI A117.1-2003 requirements. This overview considers the following:
  1. A rolling sheet door that is the only way to access a specific storage space.
  2. A storage space that is required by code (IBC) to be accessible.
  3. No other type of door is able to meet accessibility requirements.

TDS 289 addresses reach, parts, operation, opening force, and manual- versus motor-operation.



DASMA Rolling Sheet Door Committee

## Ongoing Research

DASMA was recently involved in a research project studying the wind-load effects of a rolling sheet door with windlocks on metal building framing. The project is expected to help designers improve door performance in high winds.

Rolling sheet doors should be treated as a stand-alone product. The Committee welcomes suggestions on additional topics to address. ■

*Bray Allen is the chair of the DASMA Rolling Sheet Door Committee. Rolling sheet door manufacturers are urged to join DASMA and become involved.*



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