

Technical Data Series

Tech 403 Sound (STC) Assemblies



The MPI Group, LLC

319 North Hills Road, Corbin, Kentucky 40701

www.metalproductsinc.com

606-523-0461

support@metalproductsinc.com

Technical Data

Sound (STC) Assemblies

Tech 403

NGP Seal Set #N4

ASTM E90-09 (2016) Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements

Standards

ASTM E413-16 Classification for Rating Sound Insulation












ASTM E1332-16 Standard Classification for Rating Outdoor-Indoor Sound Attenuation

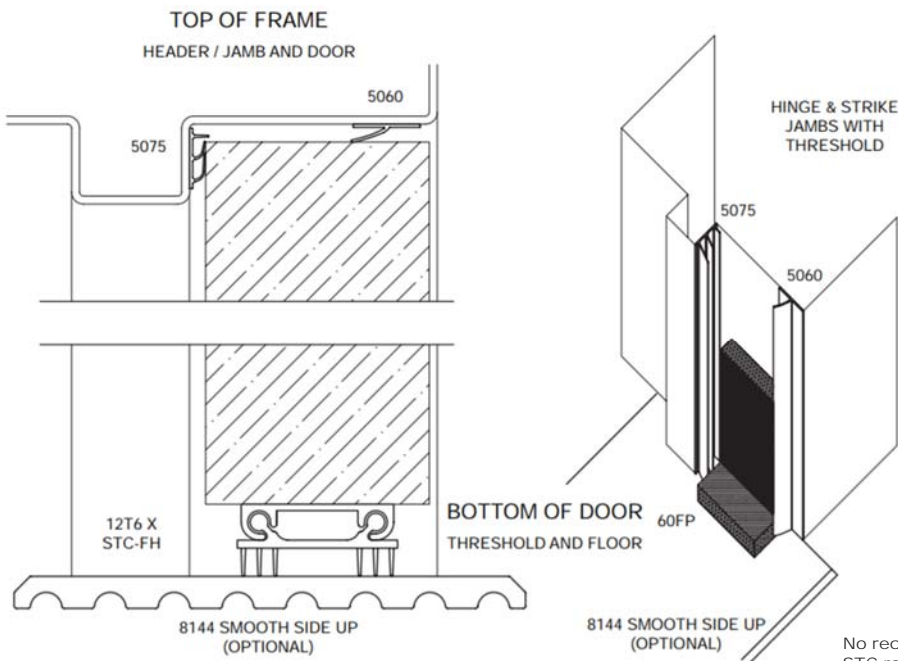
ASTM E2235-04 (2012) Standard Test Method for Determination of Decay Rates for

Seal Package

NGP #5075 Thermo-Plastic Elastomer Gasketing (header and jambs)
NGP #5060 Silicone Fin Seal (header and jambs)
NGP #12T6 Thermo-Plastic Door Shoe (bottom of door)
NGP #60FP Acoustical Foam Corner Pad (bottom corner of frame/floor)
NGP #8144S Threshold (Optional) (floor)

**NPG = National Guard Products, Inc.*

STC 41	18 Gauge (0.042 min) Steel Stiffened Core Door 3'-0" x 7'-0" Tested Size	 
STC 42	16 Gauge (0.053 min) Steel Stiffened Core Door 4'-0" x 8'-0" Tested Size	 
STC 47	14 Gauge (0.067 min) Steel Stiffened Core Door 4'-0" x 8'-0" Tested Size	 
STC 42	18 Gauge (0.042 min) Special Construction Steel Stiffened Core Door 3'-0" x 7'-0" Tested Size	 
STC 45	16 Gauge (0.053 min) Special Construction Steel Stiffened Core Door 4'-0" x 8'-0" Tested Size	 
STC 51	14 Gauge (0.067 min) Proprietary Core Door Option #1 4'-0" x 8'-0" Tested Size	
STC 52	14 Gauge (0.067 min) Proprietary Core Door Option #2 4'-0" x 8'-0" Tested Size	



No recorded sound loss up to STC 52
 STC ratings based on testing and evaluations.
 Testing and data collection by Intertek Testing Services