

# Technical Data Series

## Tech 403 Sound (STC) Assemblies



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# Technical Data

## Sound (STC) Assemblies

# Tech 403

## NGP Seal Set #N1

### Standards

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

**ASTM E413-16** Classification for Rating Sound Insulation

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

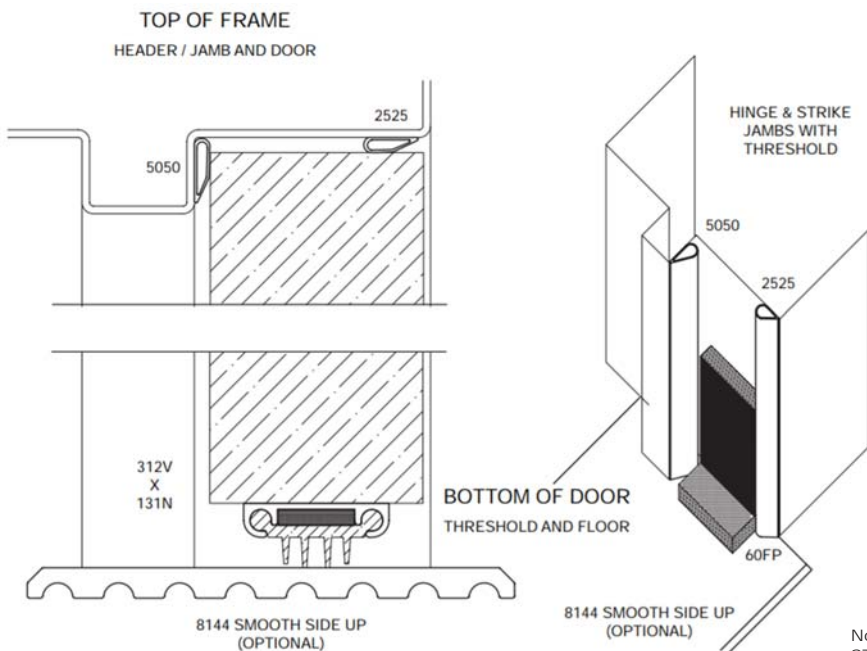
**ASTM E2235-04 (2012)** Standard Test Method for Determination of Decay Rates for

### Seal Package

**NGP #5050** Silicone Bulb Seal (header and jambs)  
**NGP #2525** Silicone Bulb Seal (header and jambs)  
**NGP #312V X 131N** Acoustical 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.

<b>STC 26</b>	18 Gauge (0.042 min) Polystyrene Core Door 4'-0" x 8'-0" Tested Size	 
<b>STC 29</b>	16 Gauge (0.053 min) Polystyrene Core Door 4'-0" x 8'-0" Tested Size	 
<b>STC 30</b>	18 Gauge (0.053 min) Polyurethane Core Door 3'-0" x 7'-0" Tested Size	
<b>STC 33</b>	18 Gauge (0.042 min) Steel Stiffened Core Door 3'-0" x 7'-0" Tested Size	 
<b>STC 33</b>	16 Gauge (0.053 min) Steel Stiffened Core Door 4'-0" x 8'-0" Tested Size	 
<b>STC 33</b>	14 Gauge (0.067 min) Steel Stiffened Core Door 4'-0" x 8'-0" Tested Size	 



No recorded sound loss up to STC 33  
 STC ratings based on testing and evaluations.  
 Testing and data collection by Intertek Testing Services