

# Technical Data

## Commercial Acoustics Wall Blokker Lite

*Most Cost Effective Construction Material to Achieve STC 50-55*

Commercial Acoustics Wall Blokker Lite is a specially designed EVA-based product engineered to block the transmission of sound waves. The membrane combines sufficient Mass to reflect airborne sound energy, and Flexibility to dampen structure-borne noise.

Wall Blokker Lite soundproofing material is a high density, non-porous material that exhibits a non-resonant quality due to its elastic nature. Wall Blokker Lite is simply stapled or nailed directly to metal or wood studs, and drywall is installed directly on top.

Durable and Resilient, Wall Blokker Lite was designed to as a light-weight, affordable alternative to other sound membranes, tested on assemblies most common in the Hospitality and Multi-Family industries.



### Engineered Applications:

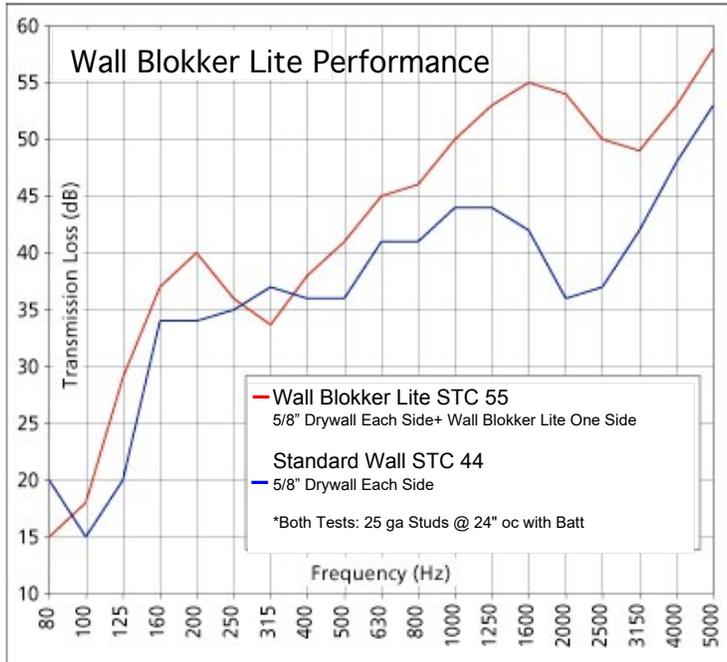
- Walls Requiring STC from 50 to 55 (Hospitality & Multi-Family)
- Cost Effective Alternative to Multiple Layers of Drywall
- Low-Frequency Performance: Significant improvement over Conventional Construction Methods below 500 Hz
- Tested on Metal Studs (20-Gauge & 25-Gauge) with STC Improvement of 6-11 Points
- Designed for Optimized Installation Efficiency -
  - 2 Man Crew Hang Sheets Every 3-5 Minutes
  - Factory Cut to Exact Wall Length to Minimize Scrap and Piecing

### Product Specifications

- Fire Resistance: Rated for 1hr and 2 hr walls per ASTM E 119-08.
- Acoustic Properties: Minimum STC 21 per ASTM E 90-02
- Flammability rating: Class 1 per ASTM E 84
- Mold & Mildew: No fungal or algae growth per ASTM D2373 and ASTM G 21
- Sheet Dimensions
  - 4' by 8' sheet size
  - 4' by 25' roll size
- Standard Tolerances
  - Width: + 0.5" - 0"
  - Length: +1% - 0"
  - Nominal Thickness: ±0.10"

Tested and approved for use in all wall designs of the U300, U400, and V400 series.

## Technical Specifications



## Physical Properties of Wall Blokker Lite:

- Weight 0.5-0.6 lb./sq. ft.
- Tensile Strength 2,750 KPa (400 psi)
- Tear Strength 12.5 Kg/cm (70 psi)
- Thickness .100"
- Ultimate Elongation 200%
- Flammability SE "O" in/min.
- Temperature Range -40° F to 180° F

Full test report library and specification packets available on request

Frequency	125	250	500	1000	2000	4000	STC
<b>20-ga Studs, 24" o.c. 0.6 psf*</b>	<b>32</b>	<b>42</b>	<b>51</b>	<b>56</b>	<b>53</b>	<b>64</b>	<b>52</b>
<b>25-ga Studs, 24" o.c. 0.5 psf*</b>	<b>34</b>	<b>46</b>	<b>52</b>	<b>55</b>	<b>54</b>	<b>60</b>	<b>52</b>
<b>25-ga Studs, 24" o.c. 0.6 psf*</b>	<b>32</b>	<b>46</b>	<b>53</b>	<b>60</b>	<b>56</b>	<b>61</b>	<b>55</b>

## General Installation Guidance

Commercial Acoustics Wall Blokker Lite can be installed directly over existing drywall or over bare studs. Easily cut with a utility knife and secured with 4 staples or nails along the top header (every 12"), then fastened to the studs every 24" down to the base track.

A 1/8" gap should be left around the perimeter of the barrier membrane to be sealed with acoustical caulking, often during drywall installation.

\*Detailed Installation Instructions Available Upon Request



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