



Apagón Acoustical Testing Competitive Comparison

This Table is a comparison of the Indiana Coated Fabrics (ICF) Apagón Blackout Fabric to comparable fabrics from Mermet & Phifer that have matching published Acoustical Test results. ICF's test results were calculated by an independent lab in conjunction with the ASTM C243 Sound Absorption Test Standard.

Fabric Type	Company	NRC Value	SAA Value
ICF Apagón Collection	Indiana Coated Fabrics	0.05	0.05
Avila Twilight	Mermet	0.05	0.03
Flocke	Mermet	0.05	0.04
Sheerweave Style 7400	Phifer	0.05	0.03
Sheerweave Style 7500	Phifer	0	0.03
Sheerweave Style 7600	Phifer	0.05	0.07
Sheerweave Style 7100	Phifer	0.05	0.03

As to better understand these values please note:

**NRC (Noise Reduction Coefficient):**

The measurement of how well material, in our case fabric, stops the reflection of sound (i.e. how much sound it absorbs). In lab testing Apagón absorbed 5% of sound and reflected 95% of sound. Measurements are taken at specific points 250, 500, 1000 and 2000 hertz.

**SAA (Sound Absorption Average):**

The measurement of how much sound the fabric absorbs. In lab testing Apagón absorbed 5% of sound and reflected 95% of sound. The SAA value appears to be identical to the NRC testing. The difference however is this measurement is calculated using an average based on continuous increasing sound levels from 200 to 2500 hertz, instead of specific points like NRC.

It is possible to have different NRC and SAA values because of the calculations are very different. Apagón happened to come out .05 (5%) for both tests. Since sound absorption is the goal the ultimate NRC and SAA value is (1.00) meaning 100% of the sound was absorbed.

Note: ICF only compared Apagón to fabrics that were blackout and had foam or vinyl backing with openness values of 0%. Fabrics with higher openness values will have higher NRC and SAA values because they allow sound waves to pass through the fabric, with no reflection.

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