Acoustic Fabrics & Foam

Fabrics play an important role in controlling the acoustics of many architectural environments: theaters, concert halls, auditoriums, event spaces, meeting rooms, churches, recording studios, museums, restaurants and more.

Performance venues in particular have exacting acoustical requirements that require adjustment depending on what is presented. Curtains and fabric panels are easily adjusted, relatively economical and often an integral design element.

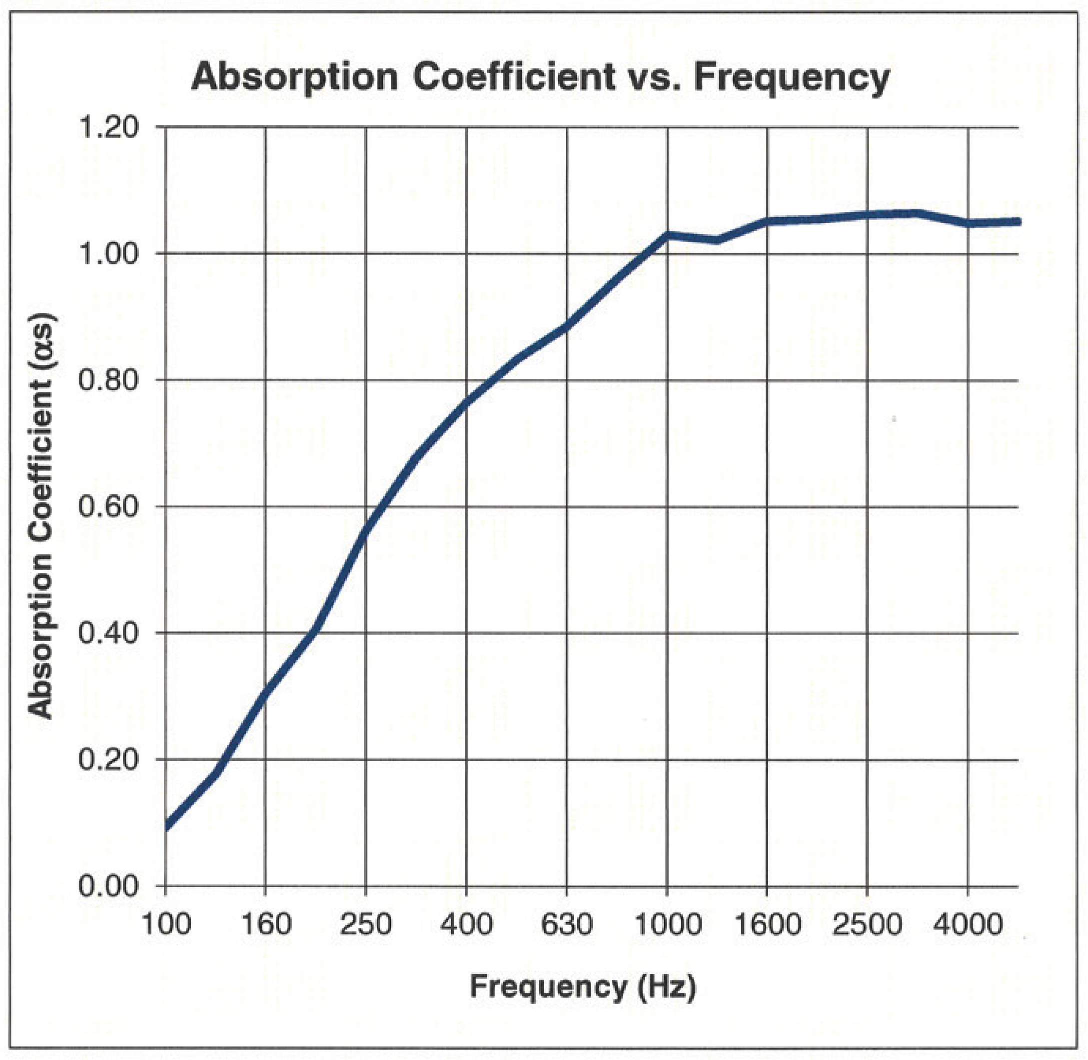
Acoustical Fabric Charts for a 100% fullness pleated panel.

The fabrics below are widely used for sound absorption. See the chart for acoustic ratings for each fabric, tested using a 100% fullness, pleated panel. More complete test information is available in "PDF format" on each fabric product's detail page.

12 OZ. BRAVA

Noise Reduction Coefficient	NRC:	0.85
Sound Absorption Average	SAA:	0.86

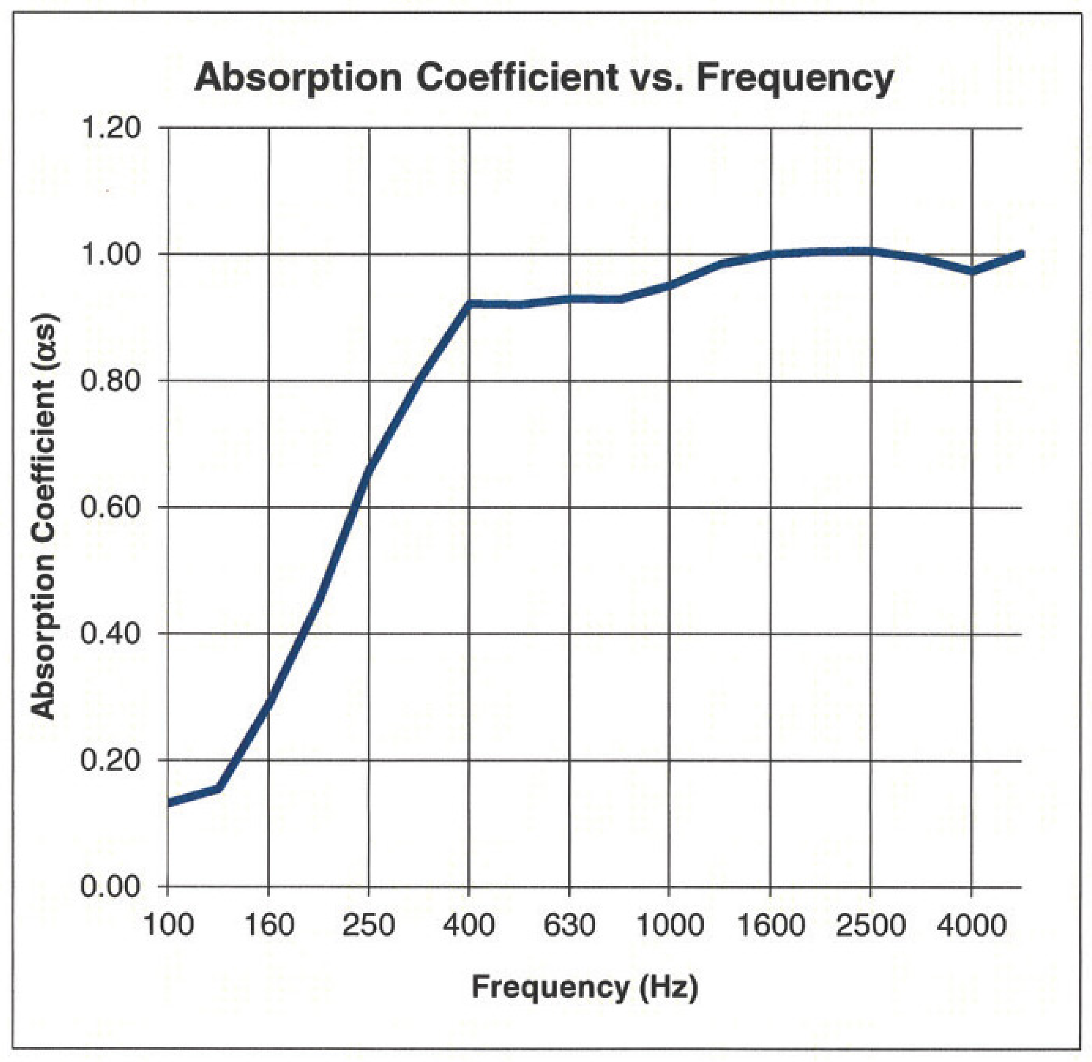
Frequency [Hz]	Absorption Coefficients α_s
100	0.09
125	0.18
160	0.30
200	0.41
250	0.56
315	0.68
400	0.77
500	0.83
630	0.89
800	0.96
1000	1.03
1250	1.02
1600	1.05
2000	1.05
2500	1.06
3150	1.06
4000	1.05
5000	1.05



15 OZ. ENCORE

Noise Reduction Coefficient	NRC:	0.90
Sound Absorption Average	SAA:	0.88

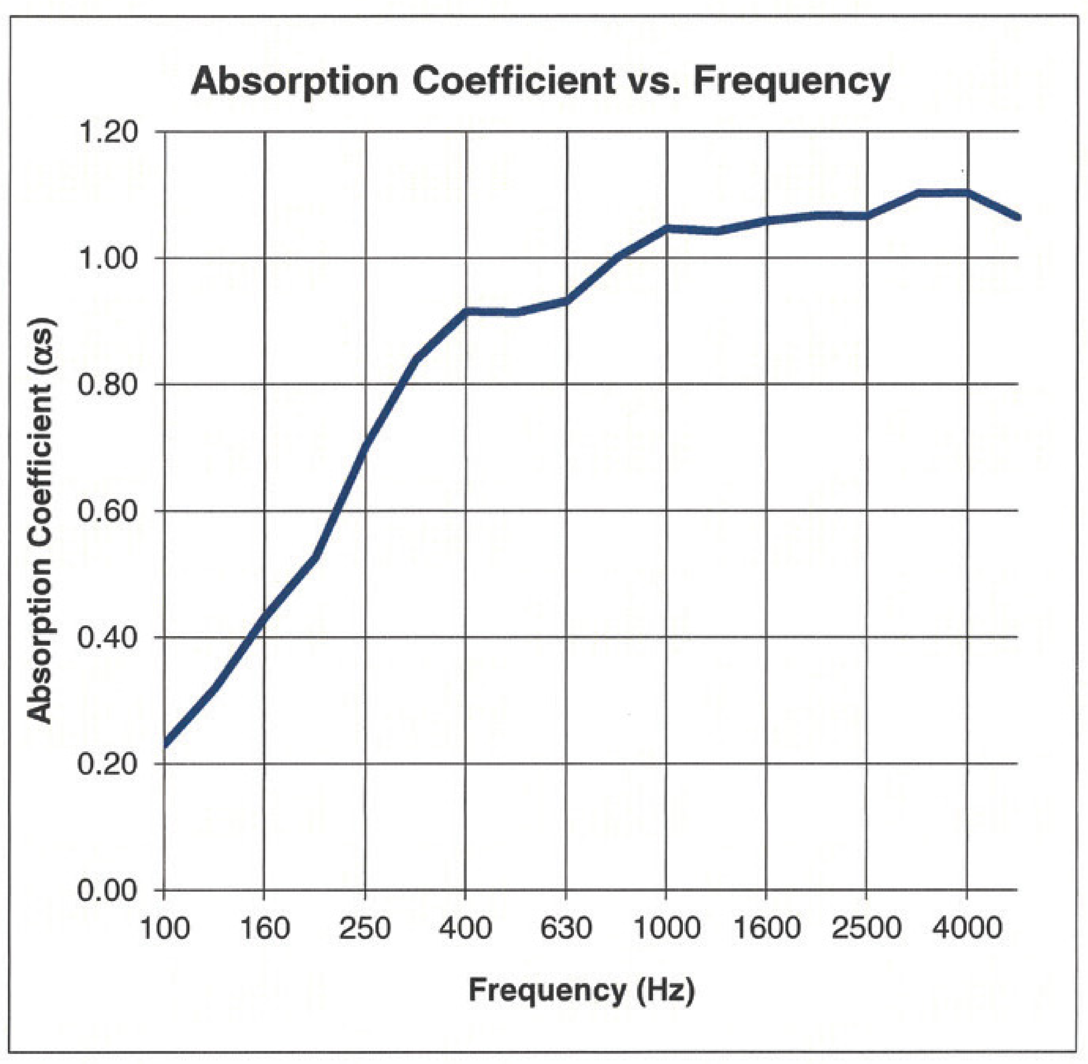
Frequency [Hz]	Absorption Coefficients α_s
100	0.13
125	0.15
160	0.29
200	0.45
250	0.66
315	0.80
400	0.92
500	0.92
630	0.93
800	0.93
1000	0.95
1250	0.98
1600	1.00
2000	1.00
2500	1.01
3150	0.99
4000	0.97
5000	1.00



16 OZ. ATHENA

Noise Reduction Coefficient	NRC:	0.95
Sound Absorption Average	SAA:	0.93

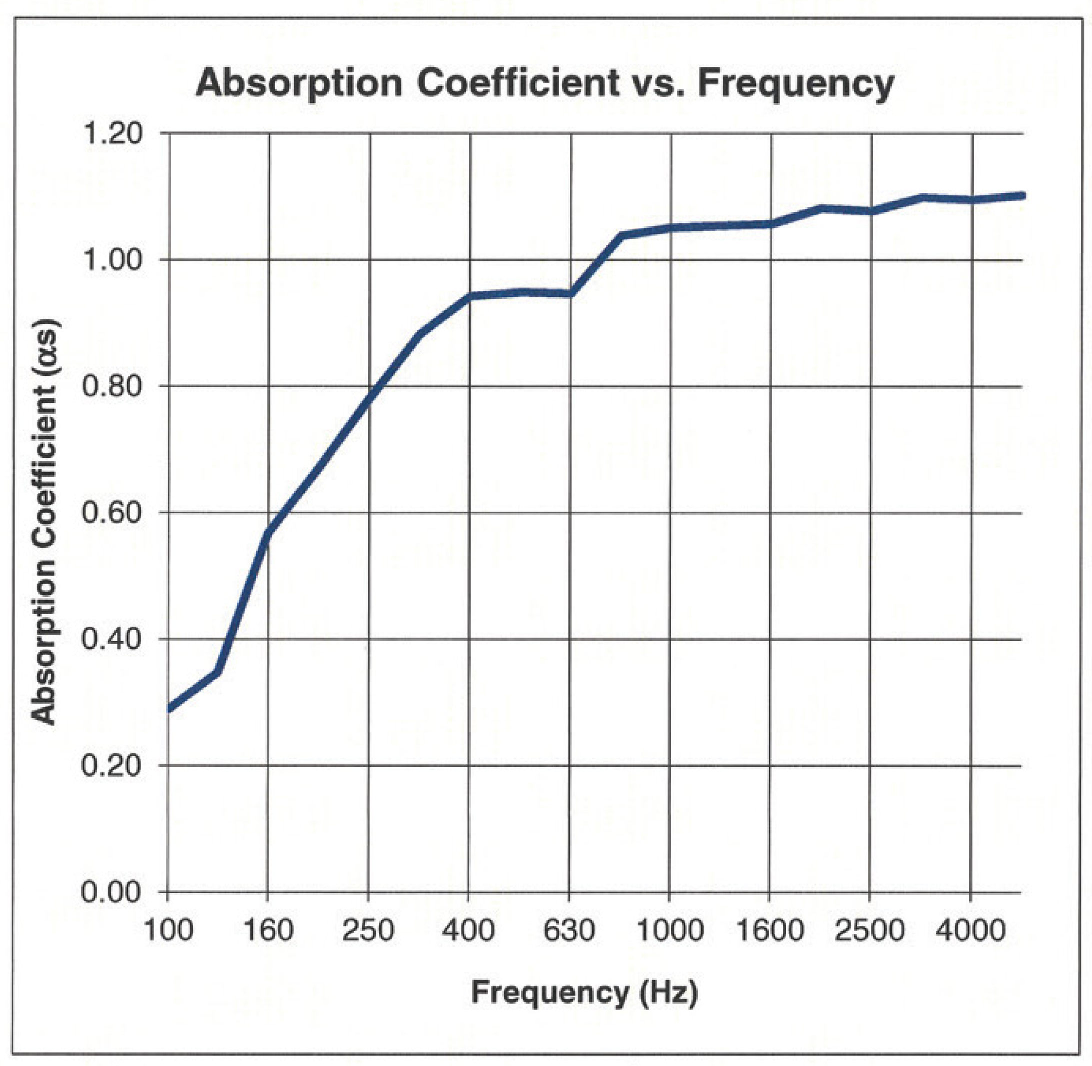
Frequency [Hz]	Absorption Coefficients α_s
100	0.23
125	0.32
160	0.43
200	0.53
250	0.70
315	0.84
400	0.91
500	0.91
630	0.93
800	1.00
1000	1.05
1250	1.04
1600	1.06
2000	1.07
2500	1.07
3150	1.10
4000	1.10
5000	1.06



20 OZ. CRESCENT

Noise Reduction Coefficient	NRC:	0.95
Sound Absorption Average	SAA:	0.96

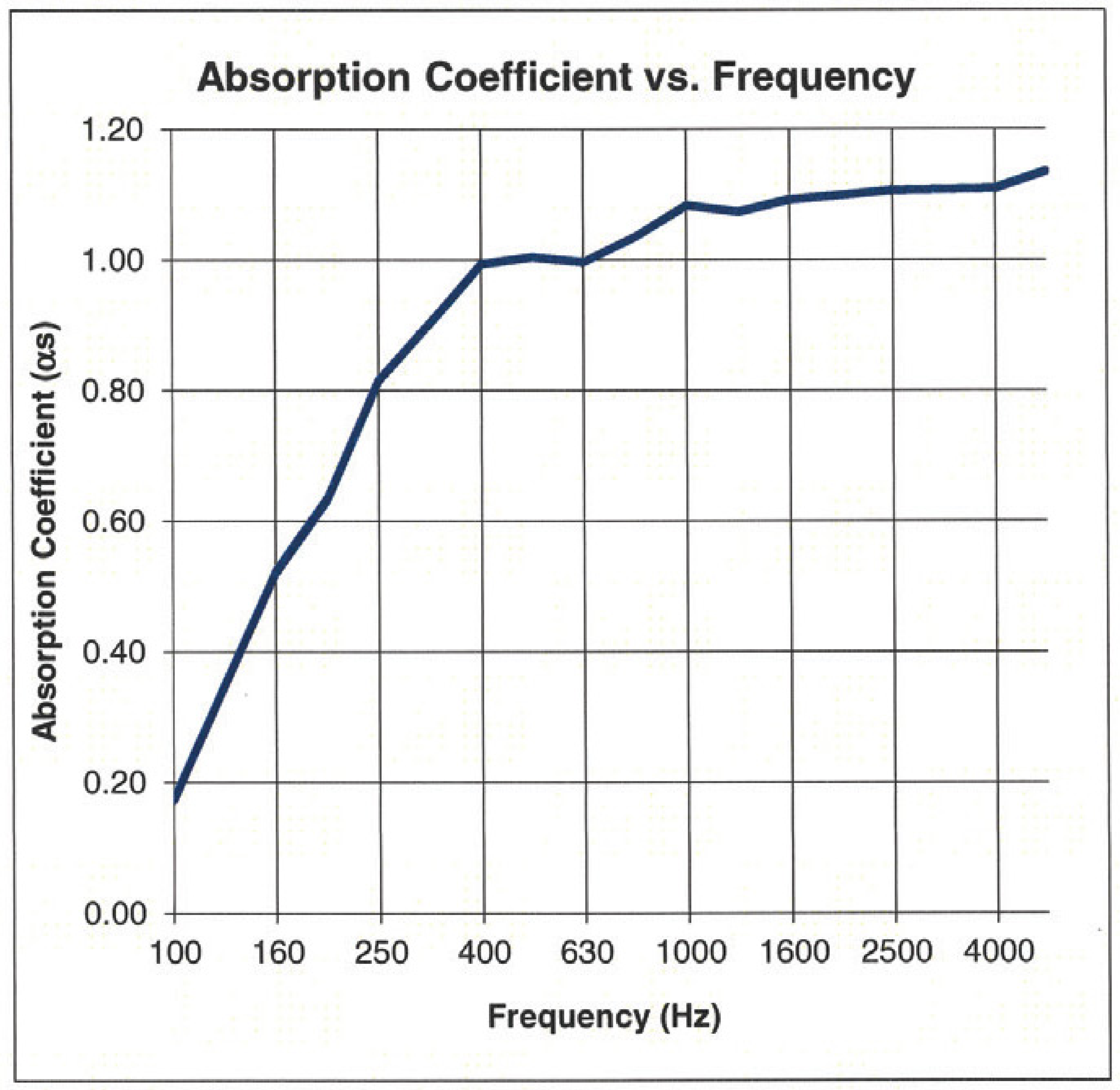
Frequency [Hz]	Absorption Coefficients α_s
100	0.29
125	0.35
160	0.57
200	0.67
250	0.78
315	0.88
400	0.94
500	0.95
630	0.95
800	1.04
1000	1.05
1250	1.05
1600	1.06
2000	1.08
2500	1.08
3150	1.10
4000	1.09
5000	1.10



22 OZ. ENCORE

Noise Reduction Coefficient	**NRC:**	**1.00**
Sound Absorption Average	**SAA:**	**0.99**

Frequency [Hz]	Absorption Coefficients α_s
100	0.17
125	0.35
160	0.52
200	0.63
250	0.82
315	0.90
400	0.99
500	1.00
630	1.00
800	1.04
1000	1.08
1250	1.07
1600	1.09
2000	1.10
2500	1.11
3150	1.11
4000	1.11
5000	1.13

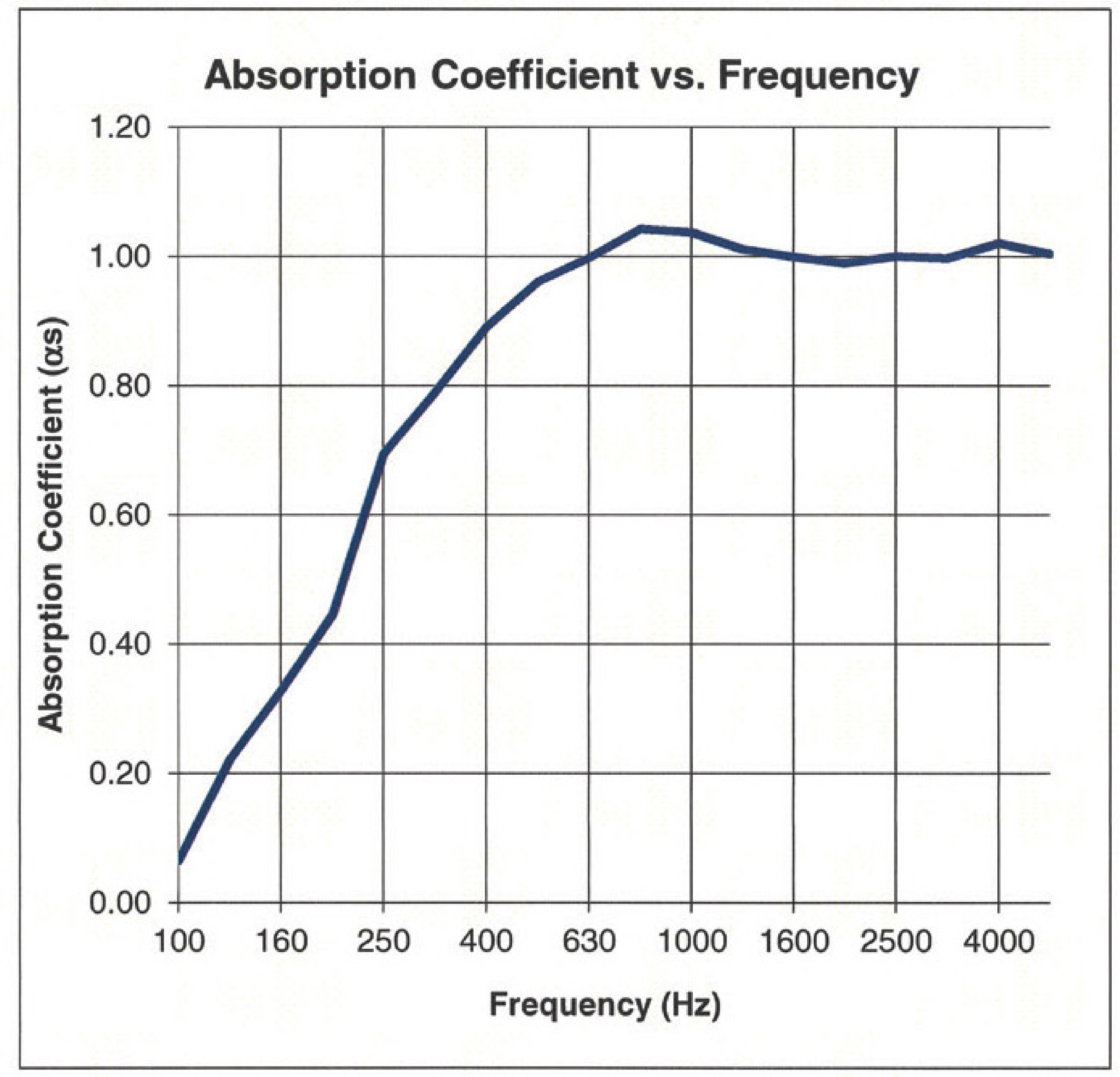


25 OZ. CHARISMA

Custom Colors Only.

Noise Reduction Coefficient	**NRC:**	**0.90**
Sound Absorption Average	**SAA:**	**0.90**

Frequency [Hz]	Absorption Coefficients α_s
100	0.06
125	0.22
160	0.33
200	0.44
250	0.69
315	0.79
400	0.89
500	0.96
630	1.00
800	1.04
1000	1.04
1250	1.01
1600	1.00
2000	0.99
2500	1.00
3150	1.00
4000	1.02
5000	1.00

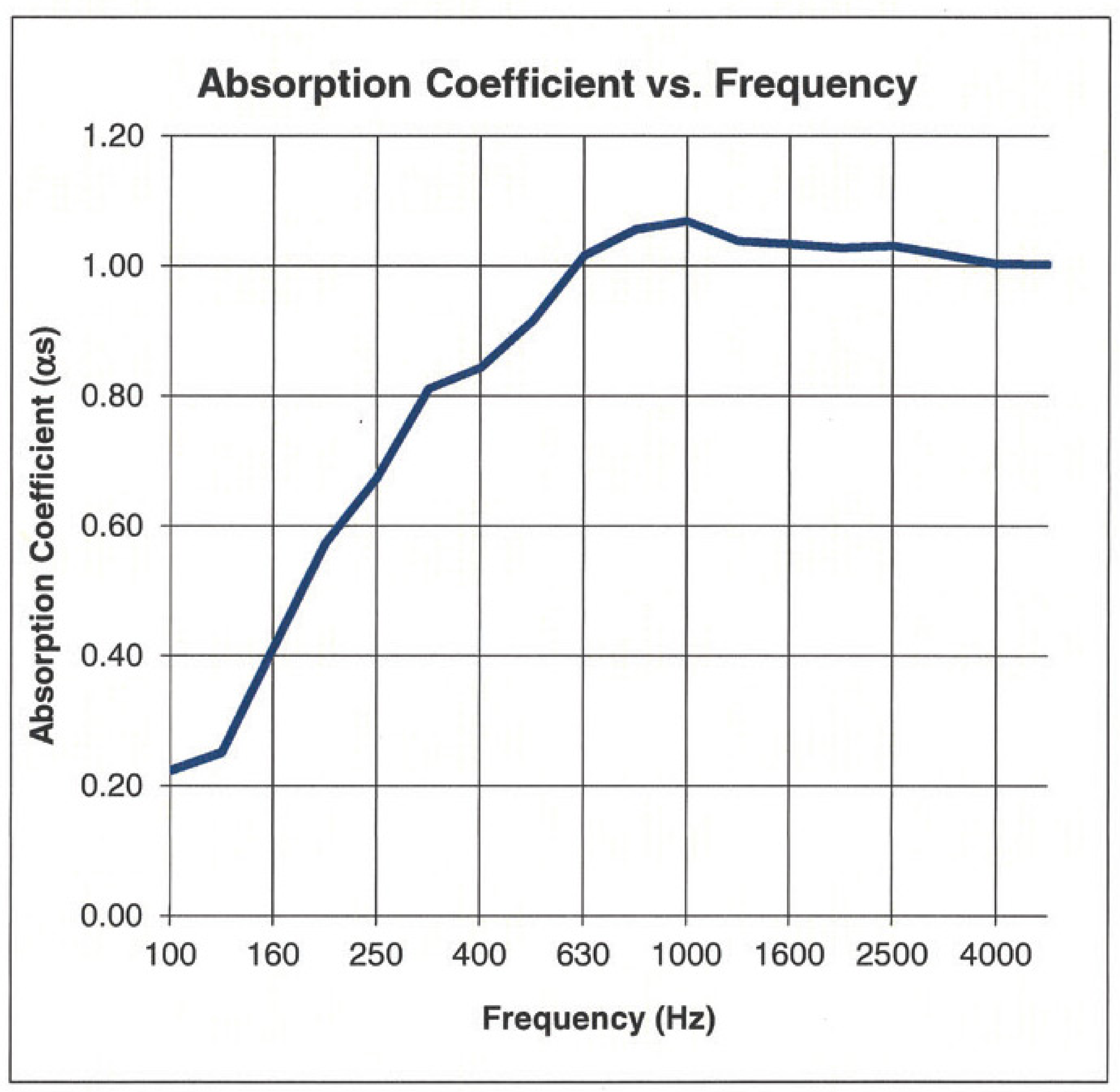


25 OZ. PRESTIGE

Custom Colors Only.

Noise Reduction Coefficient	**NRC:**	**0.90**
Sound Absorption Average	**SAA:**	**0.92**

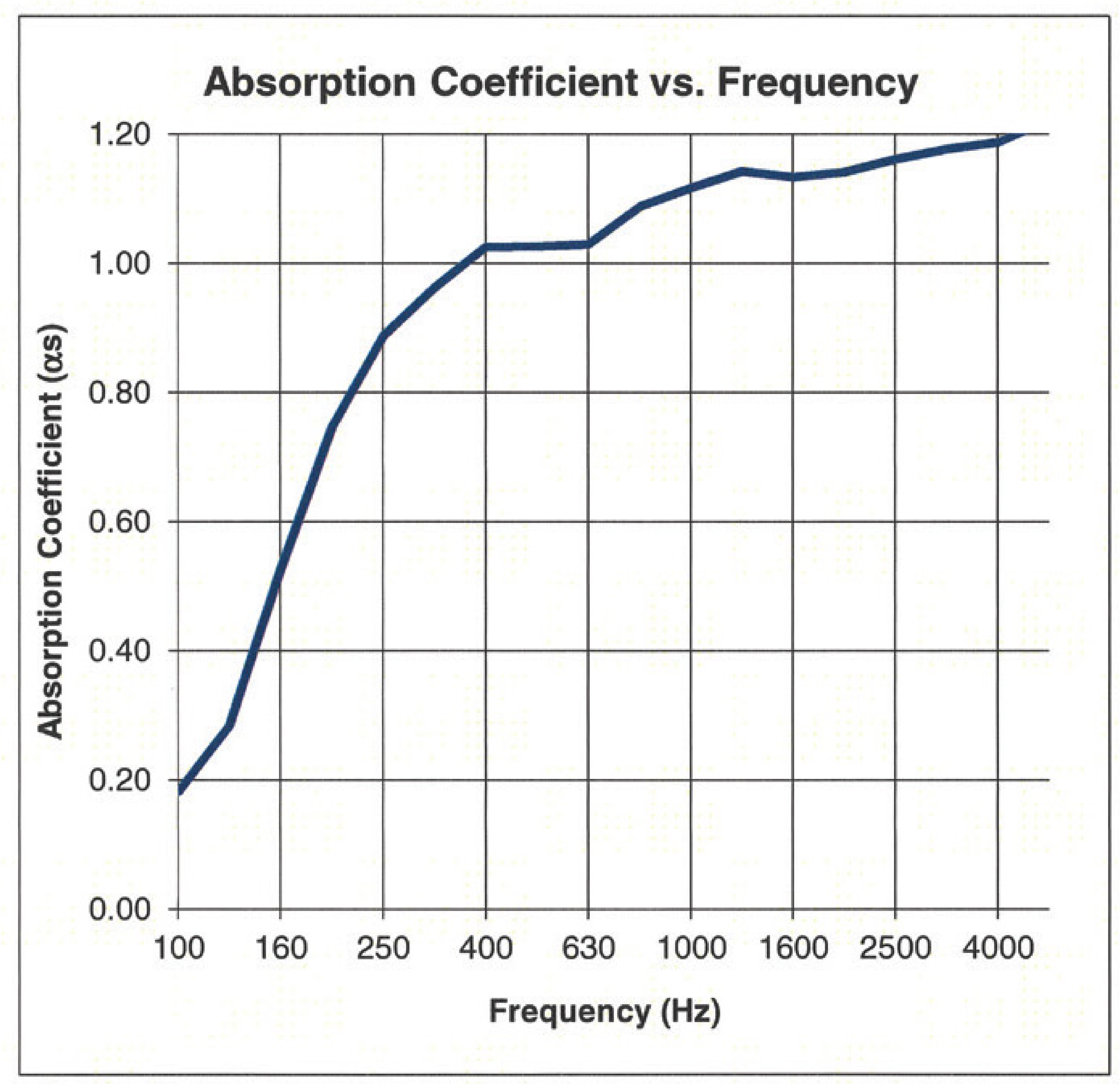
Frequency [Hz]	Absorption Coefficients α_s
100	0.22
125	0.25
160	0.41
200	0.57
250	0.67
315	0.81
400	0.84
500	0.92
630	1.02
800	1.06
1000	1.07
1250	1.04
1600	1.03
2000	1.03
2500	1.03
3150	1.02
4000	1.00
5000	1.00



25 OZ. MEMORABLE

Noise Reduction Coefficient	**NRC:**	**1.05**
Sound Absorption Average	**SAA:**	**1.04**

Frequency [Hz]	Absorption Coefficients α_s
100	0.18
125	0.28
160	0.52
200	0.75
250	0.89
315	0.96
400	1.02
500	1.03
630	1.03
800	1.09
1000	1.12
1250	1.14
1600	1.13
2000	1.14
2500	1.16
3150	1.18
4000	1.19
5000	1.22

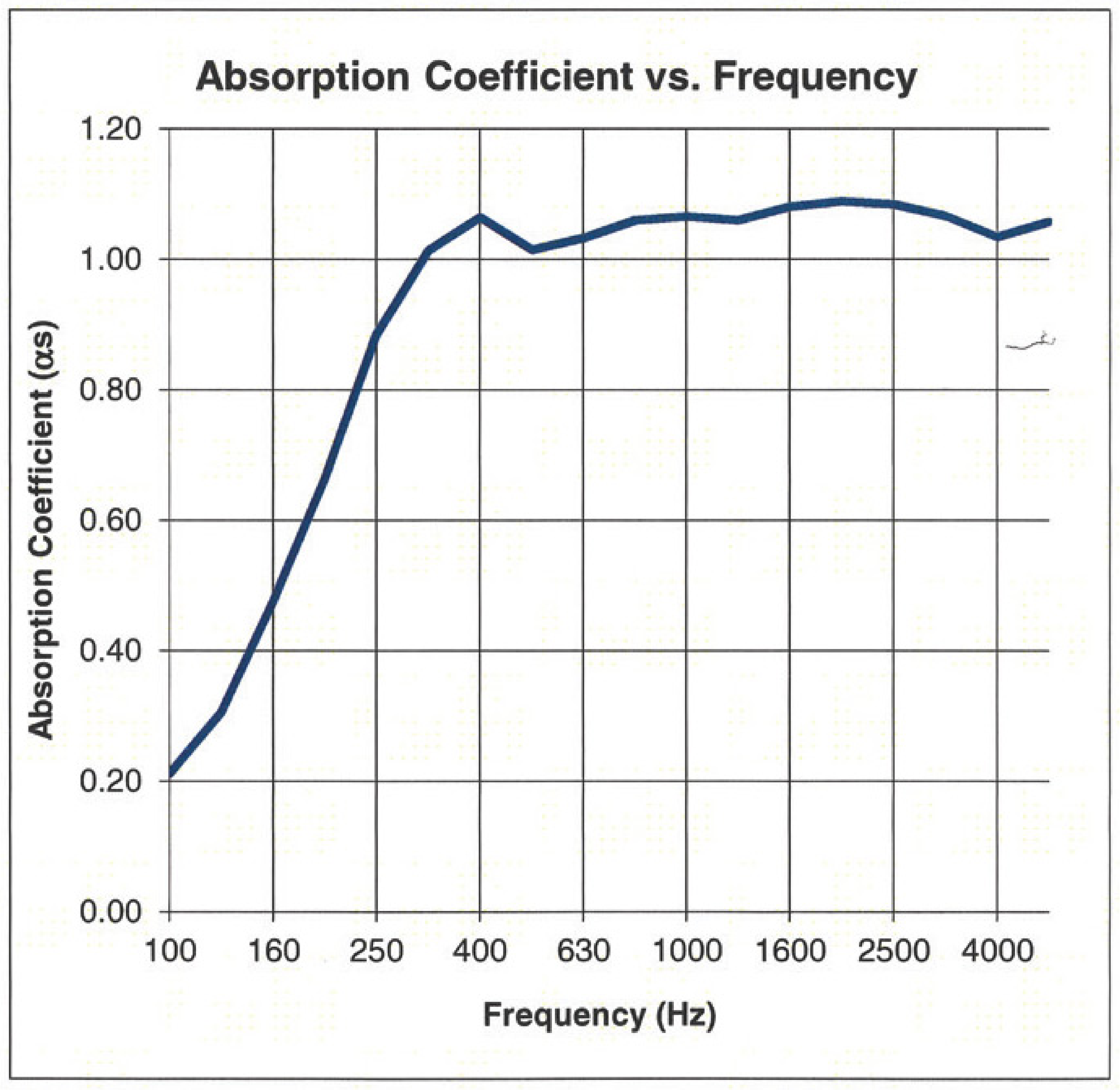


All Rose Brand Flame Resistant Fabrics Pass **NFPA 701** testing. See RoseBrand.com for additional **FR** standards and registration numbers.

30 OZ. WOOL SERGE

Noise Reduction Coefficient	**NRC:**	**1.00**
Sound Absorption Average	**SAA:**	**1.01**

Frequency [Hz]	Absorption Coefficients α_s
100	0.21
125	0.31
160	0.48
200	0.66
250	0.88
315	1.01
400	1.06
500	1.01
630	1.03
800	1.06
1000	1.07
1250	1.06
1600	1.08
2000	1.09
2500	1.08
3150	1.07
4000	1.03
5000	1.06

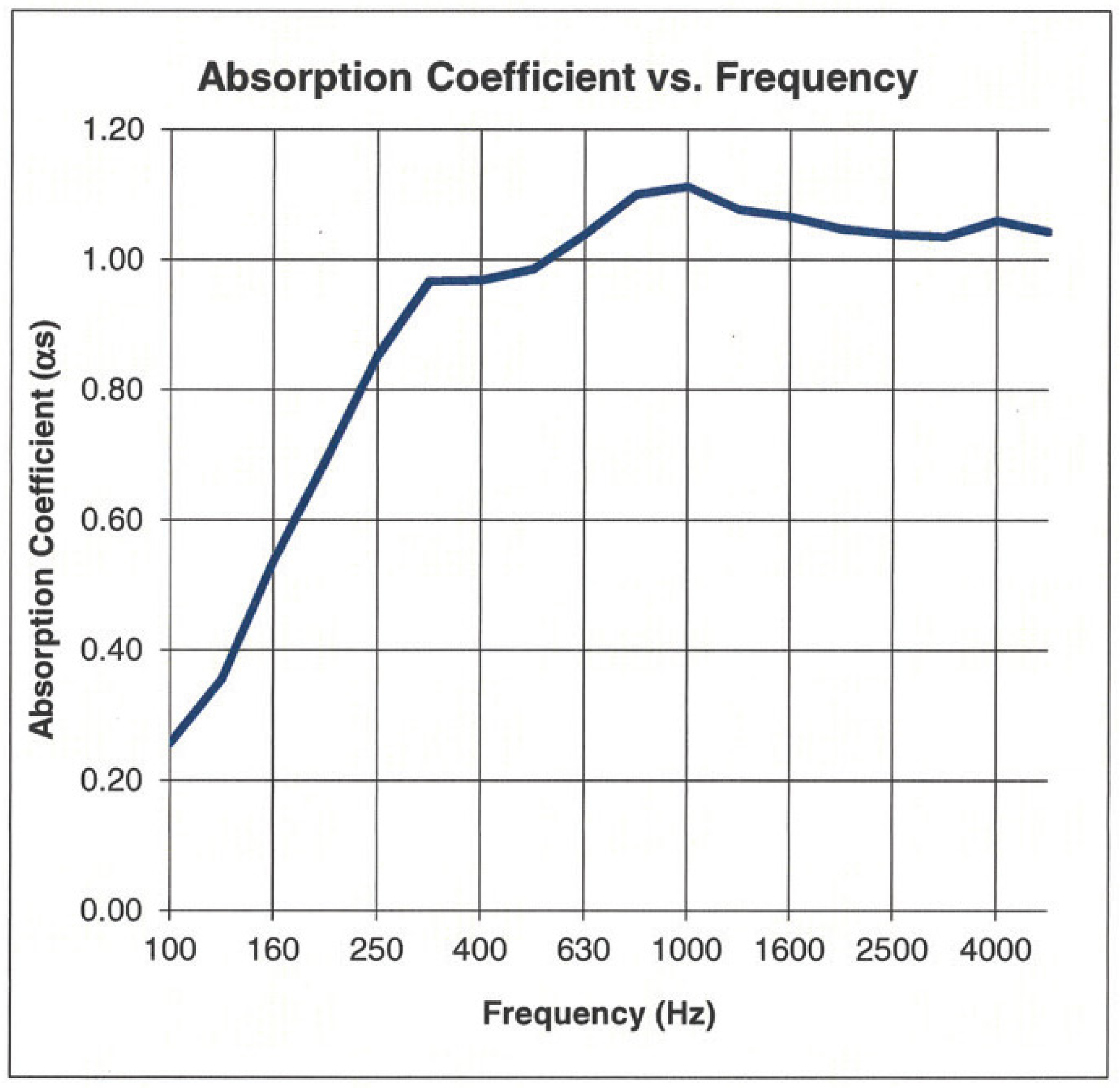


32 OZ. IMPERIAL

Custom Colors Only.

Noise Reduction Coefficient	**NRC:**	**1.00**
Sound Absorption Average	**SAA:**	**1.00**

Frequency [Hz]	Absorption Coefficients α_s
100	0.26
125	0.35
160	0.54
200	0.69
250	0.85
315	0.97
400	0.97
500	0.99
630	1.04
800	1.10
1000	1.11
1250	1.08
1600	1.07
2000	1.05
2500	1.04
3150	1.04
4000	1.06
5000	1.04

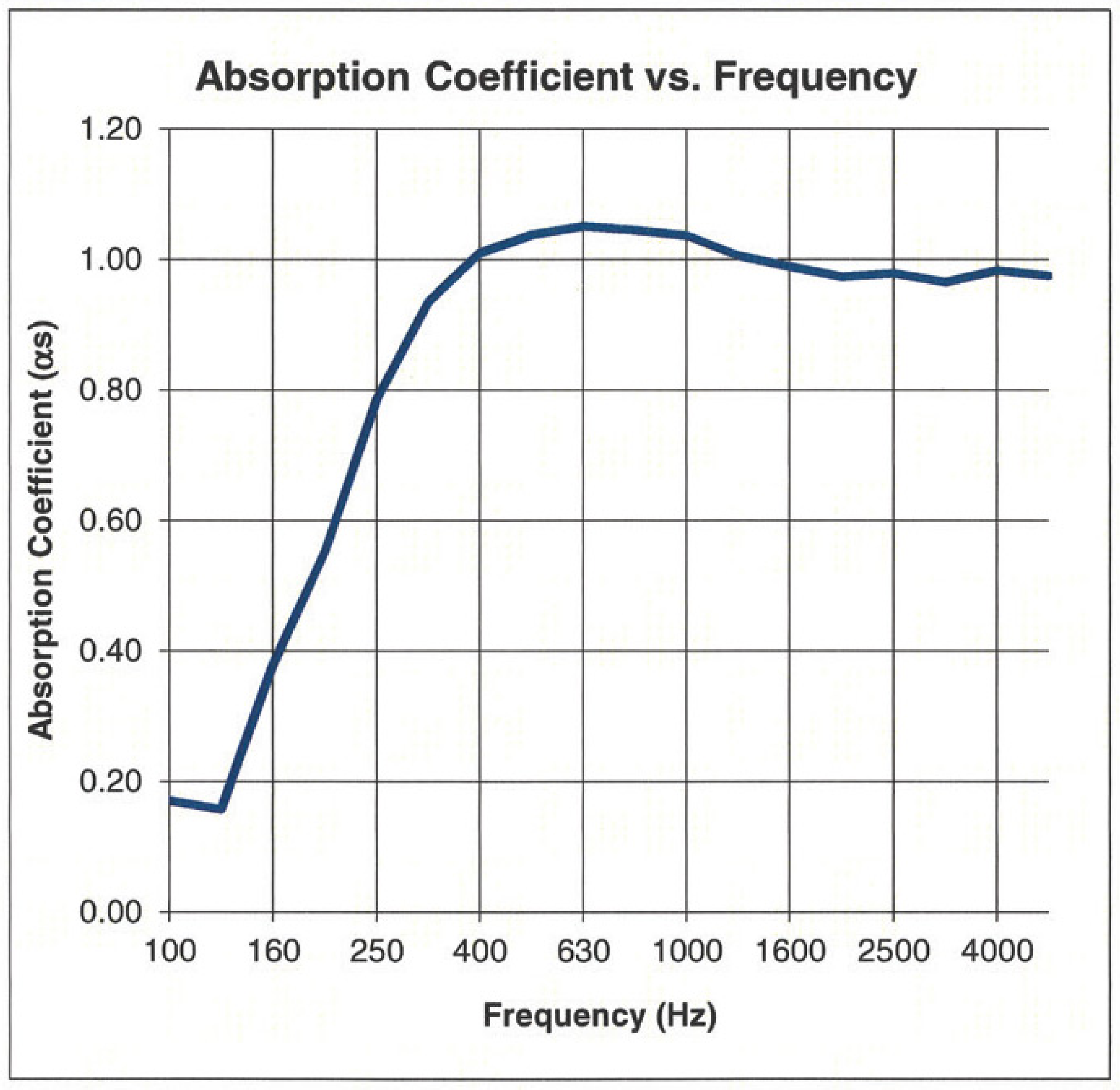


32 OZ. ROYALE

Custom Colors Only.

Noise Reduction Coefficient	**NRC:**	**0.95**
Sound Absorption Average	**SAA:**	**0.95**

Frequency [Hz]	Absorption Coefficients α_s
100	0.17
125	0.16
160	0.38
200	0.55
250	0.79
315	0.93
400	1.01
500	1.04
630	1.05
800	1.04
1000	1.04
1250	1.01
1600	0.99
2000	0.97
2500	0.98
3150	0.97
4000	0.98
5000	0.97



32 OZ. MAGIC

Noise Reduction Coefficient	**NRC:**	**1.05**
Sound Absorption Average	**SAA:**	**1.04**

Frequency [Hz]	Absorption Coefficients α_s
100	0.37
125	0.43
160	0.67
200	0.81
250	0.93
315	0.97
400	1.02
500	1.02
630	1.03
800	1.09
1000	1.14
1250	1.13
1600	1.13
2000	1.12
2500	1.10
3150	1.12
4000	1.12
5000	1.12