

# ACÚSTICA XXI<sup>®</sup>

## TABELAS E GRÁFICOS

Edição 9

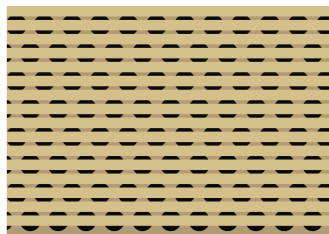


# ACÚSTICA XXI

## TABELAS E GRÁFICOS

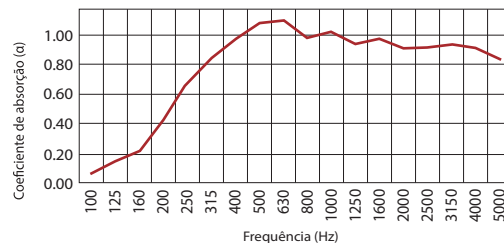
### Parede e Forro

#### Ambi 8.1



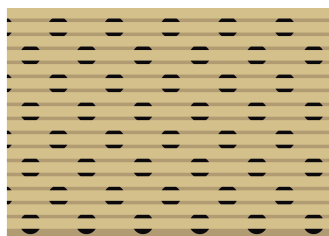
**PAREDE**  
TAXA DE PERFURAÇÃO= 13,62%  
NRC= 0,90

| PLENUM 40mm + LÃ 40kg/m³ |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|
| Freq. (Hz)               | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$               | 0,14 | 0,66 | 1,06 | 1,01 | 0,92 | 0,90 |



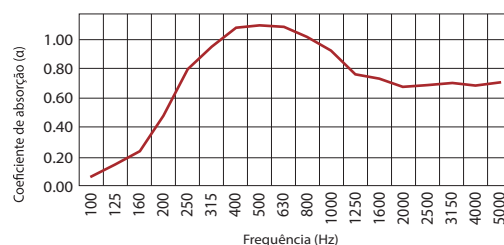
**SOB CONSULTA**

#### Ambi 8.2



**PAREDE**  
TAXA DE PERFURAÇÃO= 6,79%  
NRC= 0,85

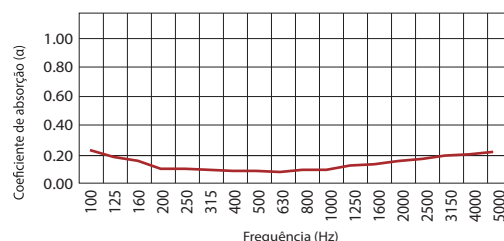
| PLENUM 40mm + LÃ 40kg/m³ |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|
| Freq. (Hz)               | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$               | 0,17 | 0,80 | 1,11 | 0,92 | 0,68 | 0,68 |



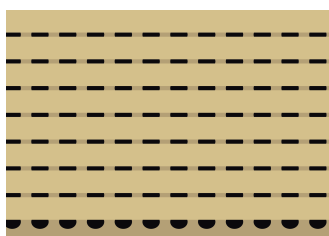
#### Ambi 8.0, 16.0 e 32.0

**PAREDE**  
TAXA DE PERFURAÇÃO= 0%  
NRC= 0,10

| PLENUM 40mm + LÃ 40kg/m³ |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|
| Freq. (Hz)               | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$               | 0,19 | 0,10 | 0,08 | 0,09 | 0,16 | 0,21 |

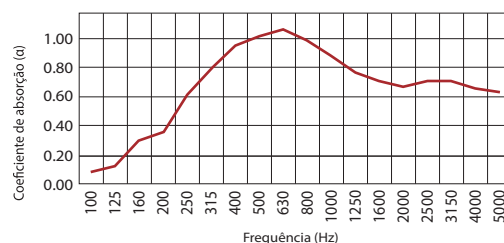


#### Ambi 16.1



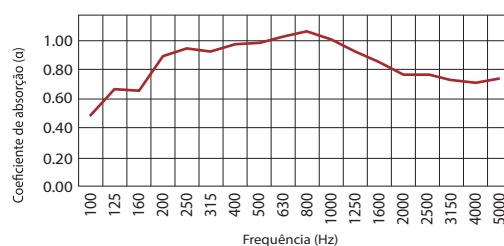
**PAREDE**  
TAXA DE PERFURAÇÃO= 11,95%  
NRC= 0,80

| PLENUM 40mm + LÃ 40kg/m³ |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|
| Freq. (Hz)               | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$               | 0,13 | 0,61 | 1,01 | 0,87 | 0,68 | 0,67 |

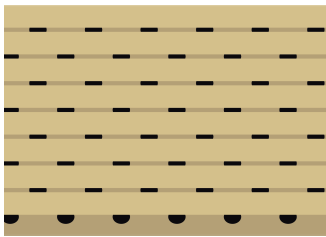


**FORRO**  
TAXA DE PERFURAÇÃO= 11,95%  
NRC= 0,95

| PLENUM 400mm + LÃ 40kg/m³ |      |      |      |      |      |      |
|---------------------------|------|------|------|------|------|------|
| Freq. (Hz)                | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                | 0,65 | 0,95 | 0,99 | 1,01 | 0,78 | 0,74 |

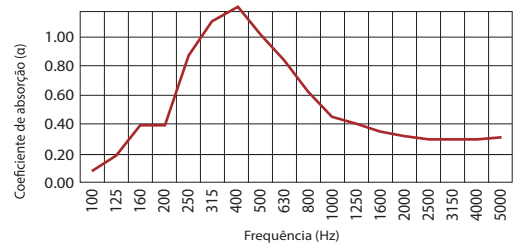


## Ambi 16.2



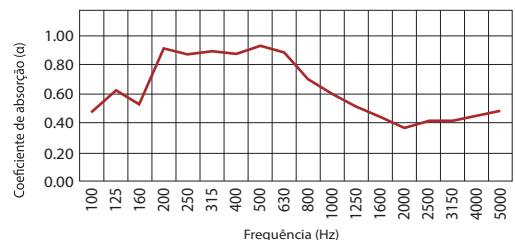
**PAREDE**  
TAXA DE PERFURAÇÃO= 4,16%  
NRC= 0,65

| PLENUM 40mm + LÃ 40kg/m <sup>3</sup> |      |      |      |      |      |      |
|--------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                           | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                           | 0,19 | 0,86 | 1,02 | 0,45 | 0,34 | 0,34 |



**FORRO**  
TAXA DE PERFURAÇÃO= 4,16%  
NRC= 0,70

| PLENUM 400mm + LÃ 40kg/m <sup>3</sup> |      |      |      |      |      |      |
|---------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                            | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                            | 0,62 | 0,86 | 0,93 | 0,60 | 0,38 | 0,44 |

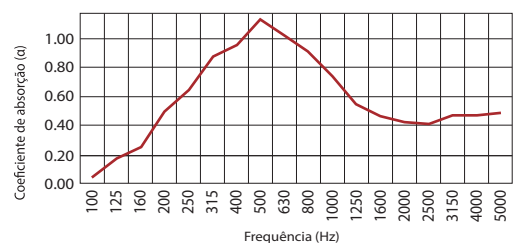


## Ambi 32.1



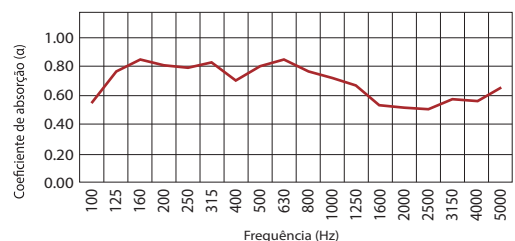
**PAREDE**  
TAXA DE PERFURAÇÃO= 6,55%  
NRC= 0,70

| PLENUM 40mm + LÃ 40kg/m <sup>3</sup> |      |      |      |      |      |      |
|--------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                           | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                           | 0,18 | 0,64 | 1,16 | 0,77 | 0,42 | 0,47 |

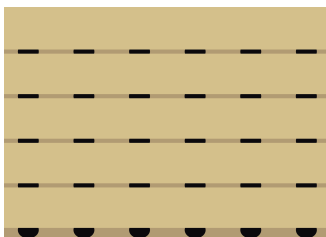


**FORRO**  
TAXA DE PERFURAÇÃO= 6,55%  
NRC= 0,70

| PLENUM 400mm + LÃ 40kg/m <sup>3</sup> |      |      |      |      |      |      |
|---------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                            | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                            | 0,77 | 0,79 | 0,80 | 0,74 | 0,54 | 0,57 |

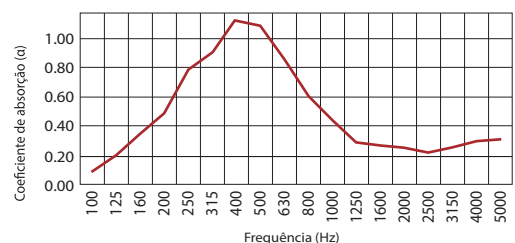


## Ambi 32.2



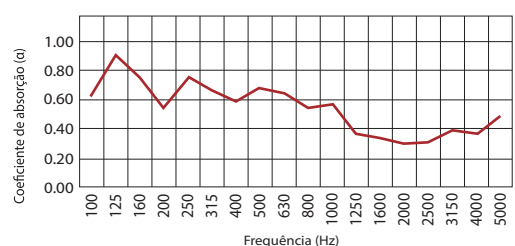
**PAREDE**  
TAXA DE PERFURAÇÃO= 3,25%  
NRC= 0,60

| PLENUM 40mm + LÃ 40kg/m <sup>3</sup> |      |      |      |      |      |      |
|--------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                           | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                           | 0,21 | 0,79 | 1,12 | 0,43 | 0,24 | 0,30 |

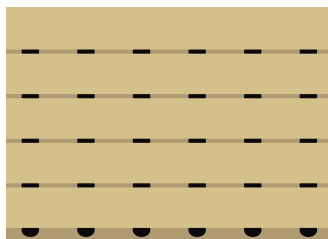


**FORRO**  
TAXA DE PERFURAÇÃO= 3,25%  
NRC= 0,50

| PLENUM 400mm + LÃ 40kg/m <sup>3</sup> |      |      |      |      |      |      |
|---------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                            | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                            | 0,92 | 0,74 | 0,67 | 0,48 | 0,32 | 0,38 |

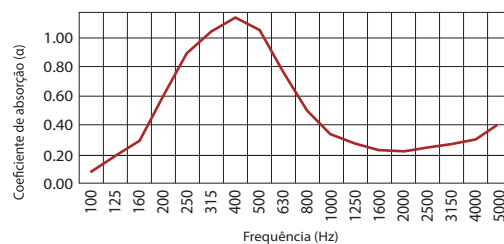


## Ambi 32.3



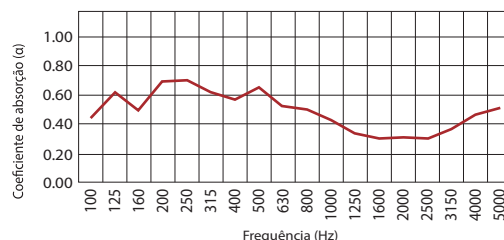
**PAREDE**  
TAXA DE PERFURAÇÃO= 2,70%  
NRC= 0,60

| PLENUM 40mm + LÃ 40kg/m <sup>3</sup> |      |      |      |      |      |      |
|--------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                           | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                           | 0,20 | 0,88 | 1,05 | 0,37 | 0,23 | 0,31 |



**FORRO**  
TAXA DE PERFURAÇÃO= 2,70%  
NRC= 0,50

| PLENUM 40mm + LÃ 40kg/m <sup>3</sup> |      |      |      |      |      |      |
|--------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                           | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                           | 0,62 | 0,71 | 0,64 | 0,42 | 0,33 | 0,46 |

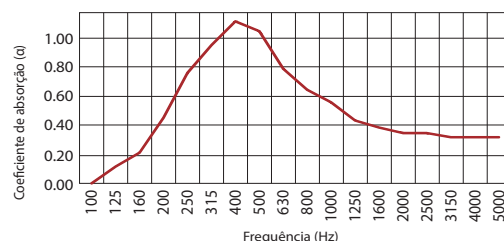


## Ambi Way Acoustics 1



**PAREDE**  
TAXA DE PERFURAÇÃO= 5,01%  
NRC= 0,45

| PLENUM 40mm + LÃ 70kg/m <sup>3</sup> |      |      |      |      |      |      |
|--------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                           | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                           | 0,12 | 0,79 | 1,09 | 0,58 | 0,36 | 0,33 |

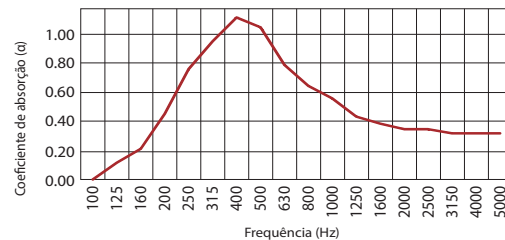


## Ambi Way Acoustics 2

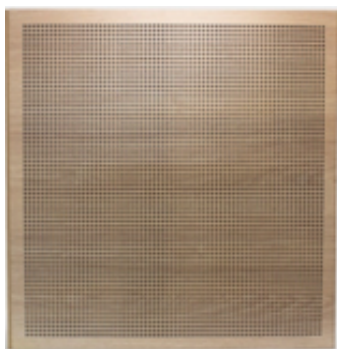


**PAREDE**  
TAXA DE PERFURAÇÃO= 5,01%  
NRC= 0,45

| PLENUM 40mm + LÃ 70kg/m <sup>3</sup> |      |      |      |      |      |      |
|--------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                           | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                           | 0,12 | 0,79 | 1,09 | 0,58 | 0,36 | 0,33 |



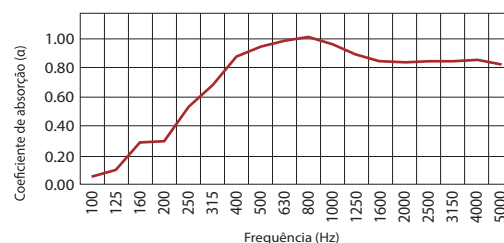
## CF 5



**PAREDE**  
TAXA DE PERFURAÇÃO= 28,95%  
NRC= 0,80

PLENUM 40mm + LÃ 40kg/m³

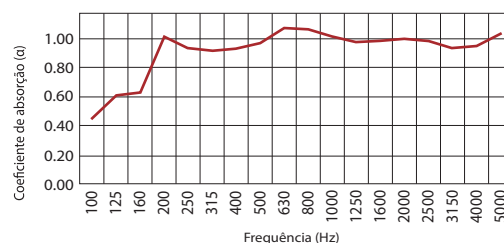
| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,10 | 0,54 | 0,95 | 0,97 | 0,83 | 0,85 |



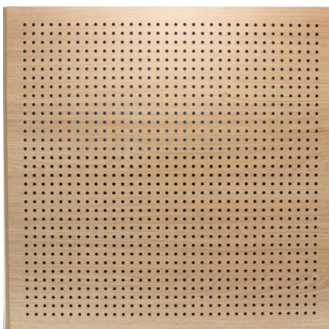
**FORRO**  
TAXA DE PERFURAÇÃO= 28,95%  
NRC= 1,00

PLENUM 400mm + LÃ 40kg/m³

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,61 | 0,95 | 0,98 | 1,02 | 1,00 | 0,96 |



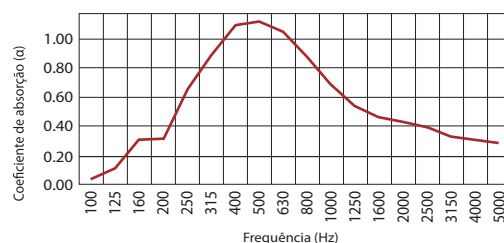
## CF 6



**PAREDE**  
TAXA DE PERFURAÇÃO= 10,42%  
NRC= 0,70

PLENUM 40mm + LÃ 40kg/m³

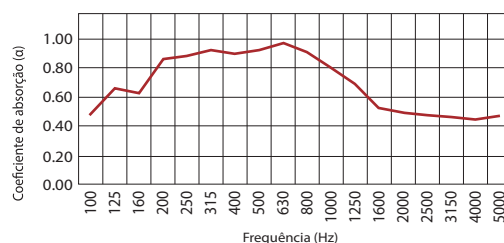
| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,13 | 0,66 | 1,13 | 0,69 | 0,42 | 0,32 |



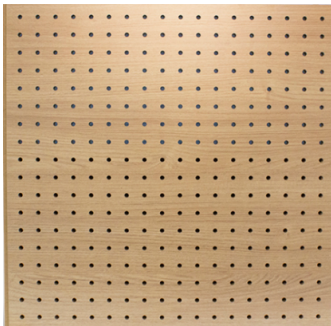
**FORRO**  
TAXA DE PERFURAÇÃO= 10,42%  
NRC= 0,80

PLENUM 400mm + LÃ 40kg/m³

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,67 | 0,89 | 0,94 | 0,80 | 0,51 | 0,44 |



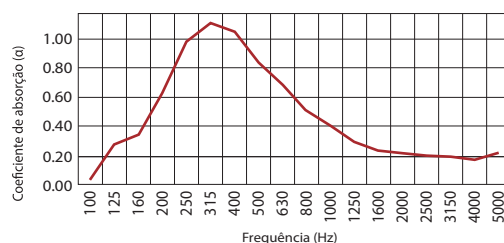
## CF 8



**PAREDE**  
TAXA DE PERFURAÇÃO= 4,63%  
NRC= 0,60

PLENUM 40mm + LÃ 40kg/m³

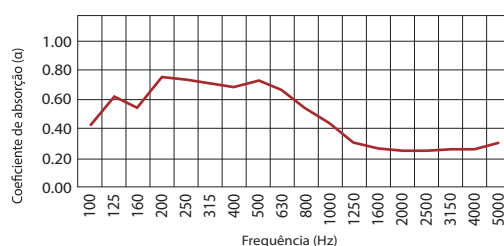
| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,28 | 0,98 | 0,83 | 0,40 | 0,23 | 0,18 |



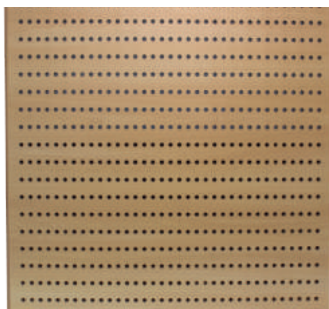
**FORRO**  
TAXA DE PERFURAÇÃO= 4,63%  
NRC= 0,55

PLENUM 400mm + LÃ 40kg/m³

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,62 | 0,74 | 0,74 | 0,43 | 0,26 | 0,27 |



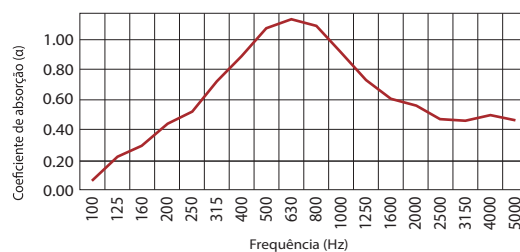
## CF 8 16/16



**PAREDE**  
TAXA DE PERFURAÇÃO= 18,40%  
NRC= 0,75

PLENUM 40mm + LÃ 40kg/m<sup>3</sup>

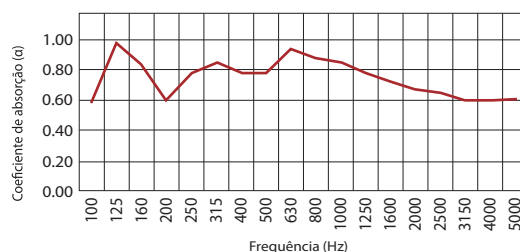
| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,23 | 0,53 | 1,07 | 0,93 | 0,57 | 0,51 |



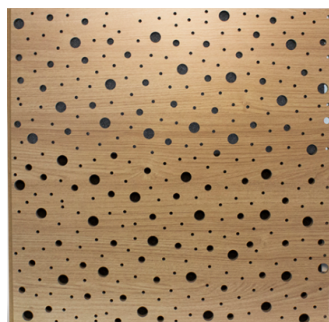
**FORRO**  
TAXA DE PERFURAÇÃO= 18,40%  
NRC= 0,75

PLENUM 400mm + LÃ 40kg/m<sup>3</sup>

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,98 | 0,78 | 0,78 | 0,84 | 0,68 | 0,60 |



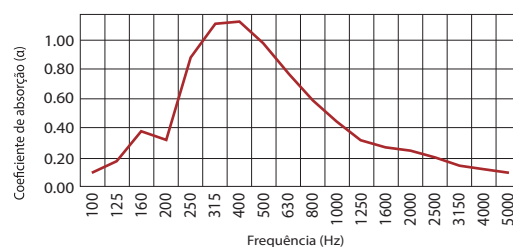
## CFAL



**PAREDE**  
TAXA DE PERFURAÇÃO= 7,59%  
NRC= 0,60

PLENUM 40mm + LÃ 40kg/m<sup>3</sup>

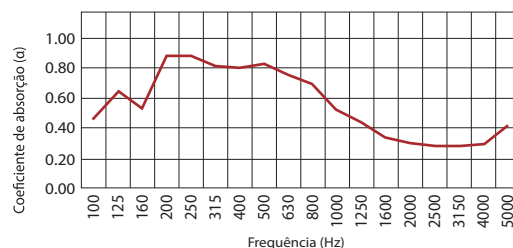
| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,18 | 0,90 | 0,98 | 0,44 | 0,25 | 0,14 |



**FORRO**  
TAXA DE PERFURAÇÃO= 7,59%  
NRC= 0,65

PLENUM 400mm + LÃ 40kg/m<sup>3</sup>

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,65 | 0,87 | 0,83 | 0,54 | 0,34 | 0,32 |



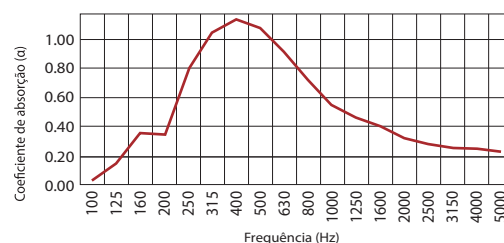
## CFR 48



**PAREDE**  
TAXA DE PERFURAÇÃO= 10,05%  
NRC= 0,70

PLENUM 40mm + LÃ 40kg/m<sup>3</sup>

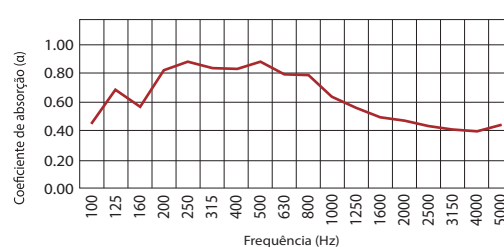
| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,17 | 0,80 | 1,06 | 0,57 | 0,35 | 0,27 |



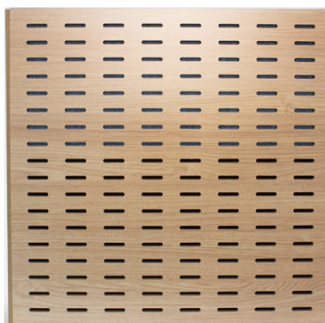
**FORRO**  
TAXA DE PERFURAÇÃO= 10,05%  
NRC= 0,70

PLENUM 400mm + LÃ 40kg/m<sup>3</sup>

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,67 | 0,87 | 0,87 | 0,65 | 0,46 | 0,39 |



## CFR 128

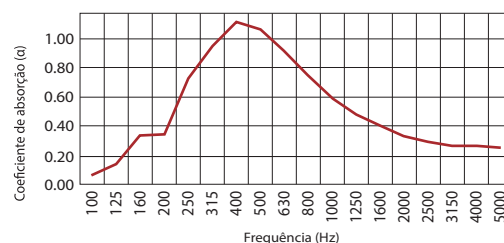


### PAREDE

TAXA DE PERFURAÇÃO= 10,47%  
NRC= 0,65

PLENUM 40mm + LÃ 40kg/m³

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,15 | 0,73 | 1,08 | 0,59 | 0,35 | 0,27 |

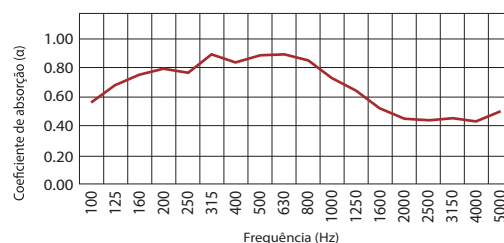


### FORRO

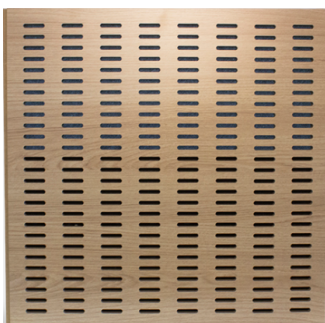
TAXA DE PERFURAÇÃO= 10,47%  
NRC= 0,75

PLENUM 400mm + LÃ 40kg/m³

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,67 | 0,77 | 0,88 | 0,74 | 0,46 | 0,43 |



## CFR 216

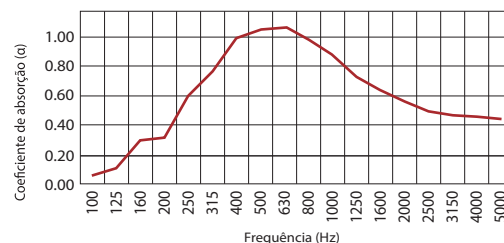


### PAREDE

TAXA DE PERFURAÇÃO= 18,14%  
NRC= 0,75

PLENUM 40mm + LÃ 40kg/m³

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,12 | 0,60 | 1,05 | 0,88 | 0,57 | 0,46 |

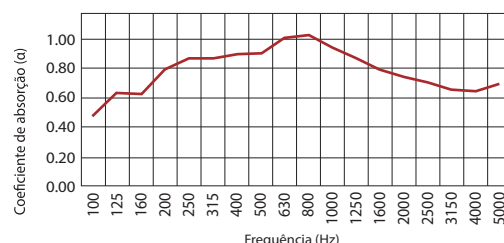


### FORRO

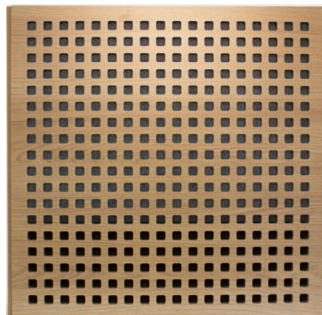
TAXA DE PERFURAÇÃO= 18,14%  
NRC= 0,85

PLENUM 400mm + LÃ 40kg/m³

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,63 | 0,87 | 0,91 | 0,95 | 0,76 | 0,65 |



## CFQ 18x18

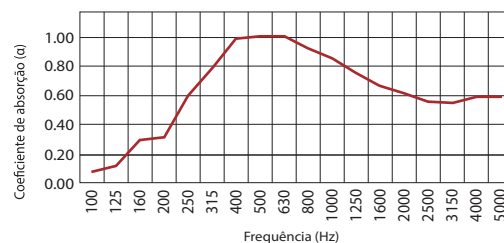


### PAREDE

TAXA DE PERFURAÇÃO= 27,91%  
NRC= 0,75

PLENUM 40mm + LÃ 40kg/m³

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,13 | 0,60 | 1,01 | 0,86 | 0,62 | 0,59 |

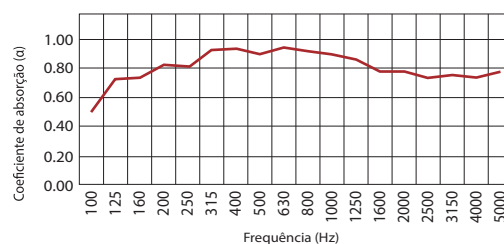


### FORRO

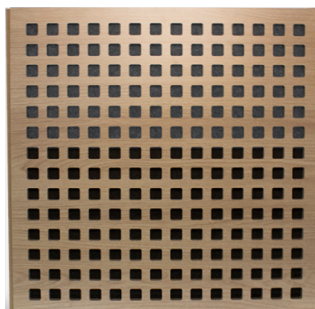
TAXA DE PERFURAÇÃO= 27,91%  
NRC= 0,85

PLENUM 400mm + LÃ 40kg/m³

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,74 | 0,81 | 0,91 | 0,91 | 0,78 | 0,74 |

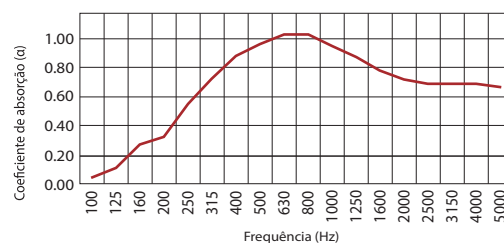


## CFQ 24x24



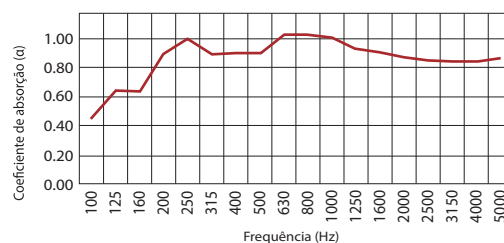
**PAREDE**  
TAXA DE PERFURAÇÃO= 30,66%  
NRC= 0,80

| PLENUM 40mm + LÃ 40kg/m <sup>3</sup> |      |      |      |      |      |      |
|--------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                           | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                           | 0,12 | 0,56 | 0,97 | 0,96 | 0,74 | 0,69 |

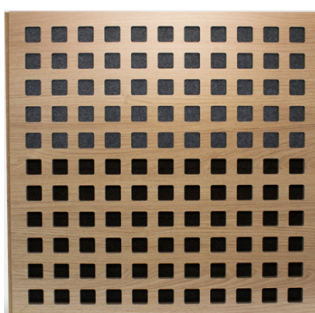


**FORRO**  
TAXA DE PERFURAÇÃO= 30,66%  
NRC= 0,95

| PLENUM 400mm + LÃ 40kg/m <sup>3</sup> |      |      |      |      |      |      |
|---------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                            | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                            | 0,65 | 1,00 | 0,90 | 1,01 | 0,88 | 0,84 |

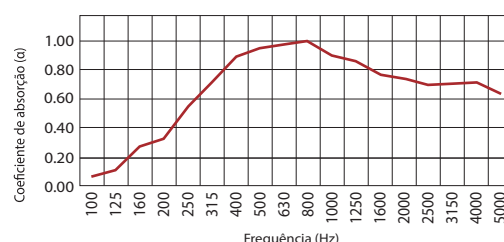


## CFQ 31x31



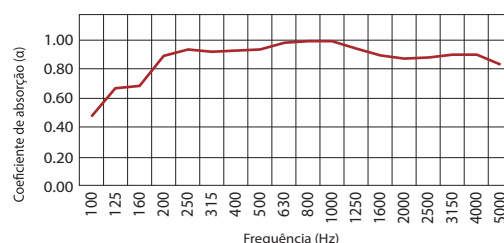
**PAREDE**  
TAXA DE PERFURAÇÃO= 31,92%  
NRC= 0,80

| PLENUM 40mm + LÃ 40kg/m <sup>3</sup> |      |      |      |      |      |      |
|--------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                           | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                           | 0,12 | 0,56 | 0,95 | 0,92 | 0,76 | 0,73 |



**FORRO**  
TAXA DE PERFURAÇÃO= 31,92%  
NRC= 0,90

| PLENUM 400mm + LÃ 40kg/m <sup>3</sup> |      |      |      |      |      |      |
|---------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                            | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                            | 0,65 | 0,94 | 0,94 | 0,99 | 0,86 | 0,89 |

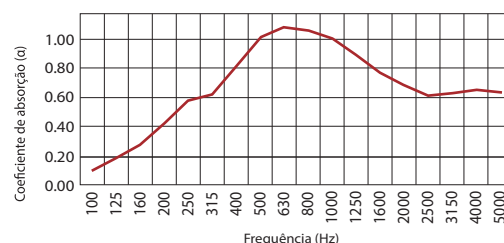


## CF50 TR



**PAREDE**  
TAXA DE PERFURAÇÃO= 44,00%  
NRC= 0,80

| PLENUM 40mm + LÃ 40kg/m <sup>3</sup> |      |      |      |      |      |      |
|--------------------------------------|------|------|------|------|------|------|
| Freq. (Hz)                           | 125  | 250  | 500  | 1000 | 2000 | 4000 |
| $\alpha_s$                           | 0,19 | 0,57 | 1,02 | 1,01 | 0,68 | 0,66 |



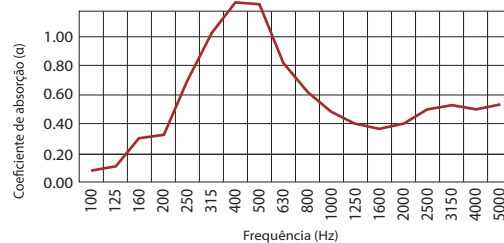
## LINEAR ACOUSTIC 55



**PAREDE**  
TAXA DE PERFURAÇÃO= 19,20%  
NRC= 0,65

PLENUM 40mm + LÃ 40kg/m<sup>3</sup>

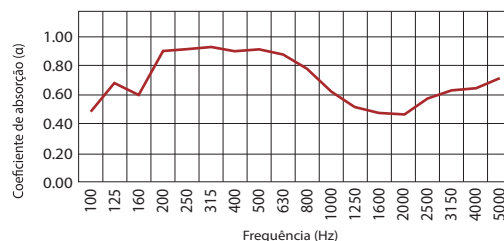
| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,13 | 0,69 | 1,05 | 0,47 | 0,40 | 0,50 |



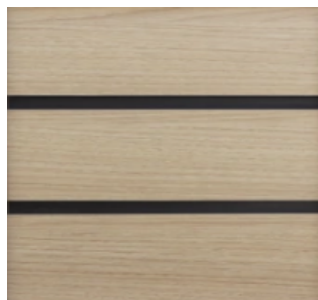
**FORRO**  
TAXA DE PERFURAÇÃO= 19,20%  
NRC= 0,75

PLENUM 400mm + LÃ 40kg/m<sup>3</sup>

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,66 | 0,92 | 0,92 | 0,63 | 0,47 | 0,66 |



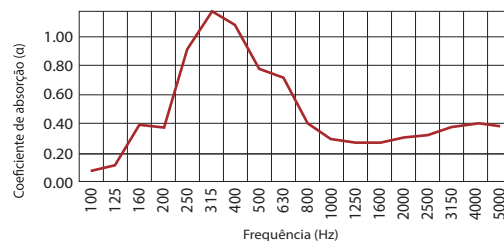
## LINEAR ACOUSTIC 80



**PAREDE**  
TAXA DE PERFURAÇÃO= 12,00%  
NRC= 0,55

PLENUM 40mm + LÃ 40kg/m<sup>3</sup>

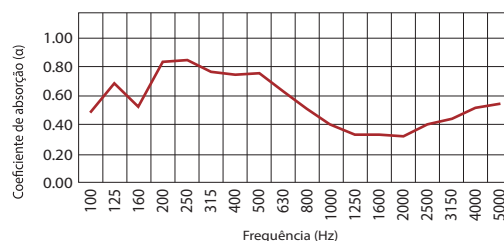
| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,14 | 0,91 | 0,76 | 0,30 | 0,31 | 0,40 |



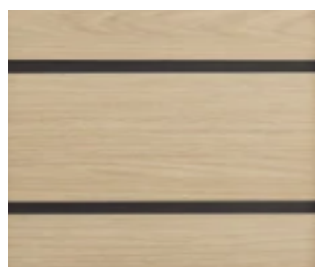
**FORRO**  
TAXA DE PERFURAÇÃO= 12,00%  
NRC= 0,55

PLENUM 400mm + LÃ 40kg/m<sup>3</sup>

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,68 | 0,85 | 0,75 | 0,40 | 0,33 | 0,53 |



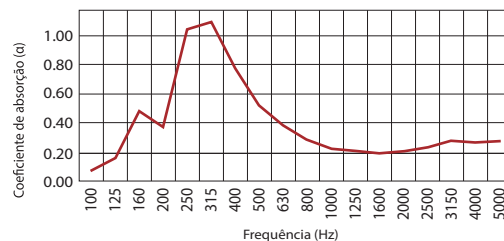
## LINEAR ACOUSTIC 120



**PAREDE**  
TAXA DE PERFURAÇÃO= 8,40%  
NRC= 0,45

PLENUM 40mm + LÃ 40kg/m<sup>3</sup>

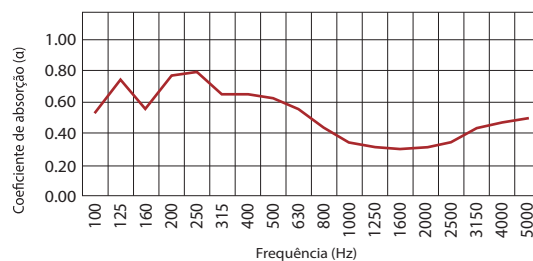
| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,17 | 1,05 | 0,53 | 0,24 | 0,22 | 0,27 |



**FORRO**  
TAXA DE PERFURAÇÃO= 8,40%  
NRC= 0,45

PLENUM 400mm + LÃ 40kg/m<sup>3</sup>

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,67 | 0,75 | 0,56 | 0,30 | 0,26 | 0,42 |



## VIME AC



**PAREDE**  
TAXA DE PERFURAÇÃO= 6,91%  
NRC= 0,75

PLENUM 40mm + Lã 40kg/m<sup>3</sup>

| Freq. (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|------------|------|------|------|------|------|------|
| $\alpha_s$ | 0,19 | 0,60 | 1,14 | 0,83 | 0,45 | 0,46 |

