Bonn Disc

[ekko]

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Code	Type	Length (mm)
BONN/150/* **	Acoustic wall disc	Ø 150
BONN/250/* **	Acoustic wall disc	Ø 250
BONN/350/* **	Acoustic wall disc	Ø 350

*** Please specify colour

Carbon footprint standard
Carbon Neutral Organisation

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Construction

- PET felt
- Made in the UK

Features

- 26 colour options
- Custom options
- 60% recycled material

Applications

- Commercial and Business Areas
- Public buildings
- Housing
- Offices
- Hotels and Restaurants
- Arts and Culture spaces

Benefits

- Custom-fit options
- Contemporary style
- Energy efficient solution
- 5 Year warranty

Finish Options

Code	Description
RR	Crimson Red
RRF	Crimson Red Fleck
OO	Sunset Orange
OOF	Sunset Orange Fleck
CY	Corn Yellow
CYF	Corn Yellow Fleck
WG	Pistactio Green
WGF	Pistactio Green Fleck
KBF	Steel Blue Fleck
JBF	Denim Blue Fleck
WB	Vanilla Beige
WBF	Vanilla Beige Fleck
DW	Linen White
SG	Ash Grey
HG	Strom Grey
SKG	Gunmetal Grey
RB	Charcoal Black
SDB	Midnight blue
MT	Plantation teal
PTF	Marble teal
DBG	Gunsmoke blue grey
SPF	Plum purple fleck
GGF	Army green
OBF	Almond beige
LMF	Mustard yellow
FP	Salmon pink

WEB PAGE

EMAIL SALES

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Material Details
Synergy is proud to use recycled PET (Polyethylene Terephthalate) in our acoustic lighting. PET is a form of polyester, which is usually used in plastic bottles for drinks, detergent, salad dressings and the like.

Composition – 100% PET (Polyethylene Terephthalate) with a 60% recycled content

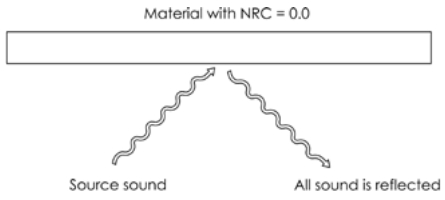
Environmental - Acoustic material has a 60% recycled content, and is recyclable.

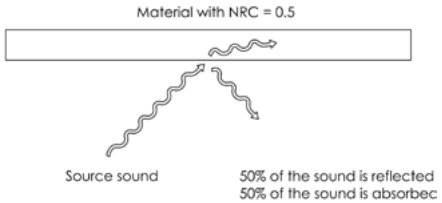
Standards – Fire specification - EN13501-1 Class B–s1,d0

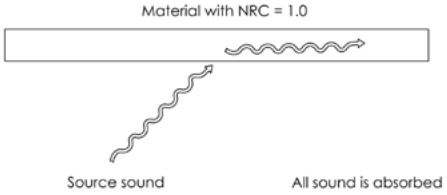
Acoustic performance – EN ISO 354:2003

Non-hazardous – no formaldehyde binders are used in the manufacturing process.

Lifetime – PET is not affected by moisture, mould or mildew and will not rot or deteriorate under normal conditions.







Frequencies of sound
There are two aspects to sound which dictate how well we can hear it, the first is the volume, or loudness, which is measured in decibels. The second is the frequency, or whether it is a low rumbling sound, or a high-pitched squeak. Humans can detect sounds in the range of 20Hz to 20,000Hz.

- Examples of sounds and their frequencies:
  - Tuba ~ 32Hz
  - A truck driving past ~ 250Hz
  - Male baritone voice ~ 400Hz
  - Typical vocal range ~500-3000Hz

Noise Reduction Coefficient
Acoustics is quite a complex subject. In essence, the NRC (Noise Reduction Coefficient) is a rating in the range from 0 to 1. If a material has a rating of 0, then the material absorbs no sound, and all sound is reflected back into the space. If a material has a rating of 1 then the material absorbs all the reflected back into the room.

SYNERGY CREATIV.

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Carbon Neutral Organisation

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