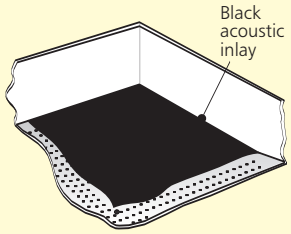
D278 Perforated tile

10mm plain border, 22% open area, black acoustic inlay.



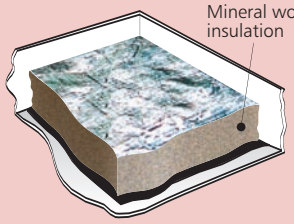
Absorption

Frequency Hz					
125	250	500	1000	2000	3150
0.7	**0.93**	**0.61**	**0.72**	**0.82**	**0.79**

NRC = 0.7

Plain tile

25mm thick x 45kg/m^3 density mineral wool. Aluminium foil encased and faced one side black glass tissue.



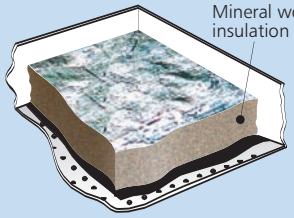
Attenuation

Frequency Hz					
125	250	500	1000	2000	3150
21.5	**31.1**	**39.1**	**49.2**	**60.2**	**64.7**

Dn,c,w = 42

D320 Perforated tile

10mm plain border, 14% open area, 25mm thick x 45kg/m^3 density mineral wool. Aluminium foil encased and faced one side black glass tissue.



Attenuation

Frequency Hz					
125	250	500	1000	2000	3150
11.6	**18.0**	**22.0**	**27.1**	**32.8**	**38.3**

Dn,c,w = 27

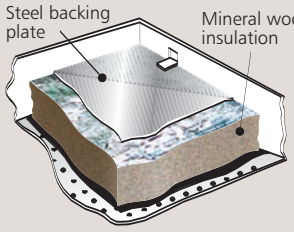
Absorption

Frequency Hz					
125	250	500	1000	2000	3150
0.48	**0.95**	**0.88**	**0.96**	**1.03**	**1.04**

NRC = 0.95

D320 Perforated tile

10mm plain border, 14% open area, 25mm thick x 45kg/m^3 density mineral wool. Aluminium foil encased and faced one side black glass tissue 0.6mm thick steel backing plate.



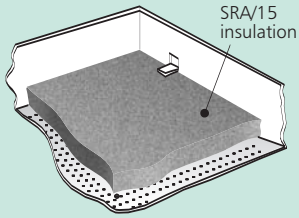
Attenuation

Frequency Hz					
125	250	500	1000	2000	3150
17.9	**27.3**	**35.2**	**49.8**	**58.3**	**60.4**

Dn,c,w = 38

D278 Perforated tile

10mm plain border, 22% open area, 15mm thick x 420kg/m^3 density SRA/15 black faced acoustic infill.



Attenuation

Frequency Hz					
125	250	500	1000	2000	3150
22.9	**33.1**	**37.5**	**41.8**	**46.2**	**41.4**

Dn,c,w = 41

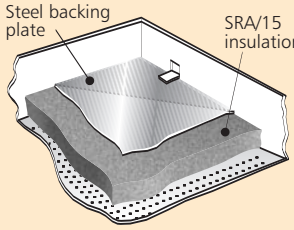
Absorption

Frequency Hz					
125	250	500	1000	2000	3150
0.39	**0.42**	**0.54**	**0.71**	**0.88**	**0.91**

NRC = 0.65

D278 Perforated tile

10mm plain border, 22% open area, 15mm thick x 420kg/m^3 density SRA/15 black faced acoustic infill 0.5mm thick steel backing plate.



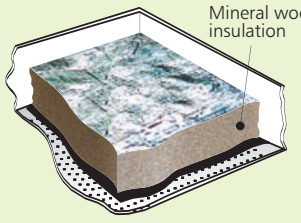
Attenuation

Frequency Hz					
125	250	500	1000	2000	3150
25.8	**34.7**	**39.4**	**43.5**	**46.1**	**38.2**

Dn,c,w = 42

D278 Perforated tile

10mm plain border, 22% open area, 25mm thick x 45kg/m^3 density mineral wool. Aluminium foil encased and faced one side black glass tissue.



Absorption

Frequency Hz					
125	250	500	1000	2000	3150
0.49	**0.95**	**0.86**	**0.95**	**1.04**	**1.05**

NRC = 0.95