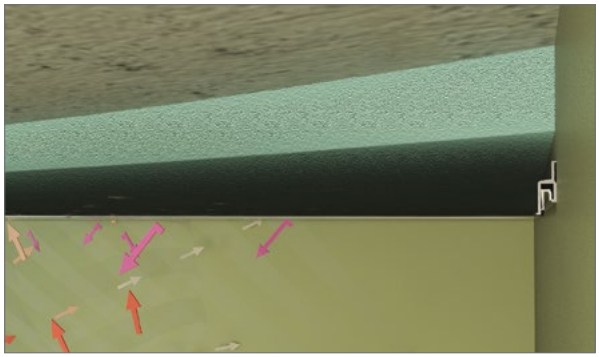
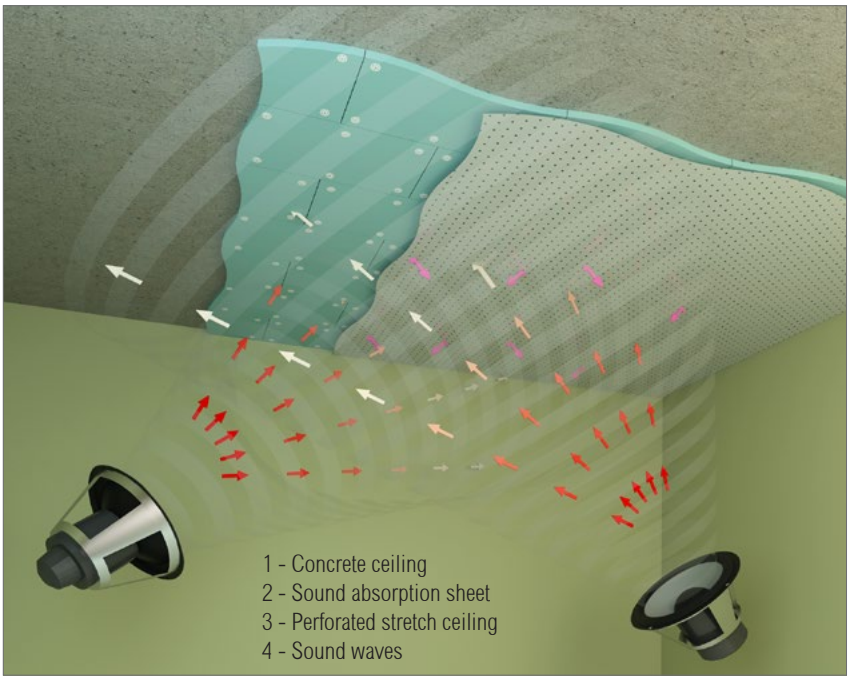
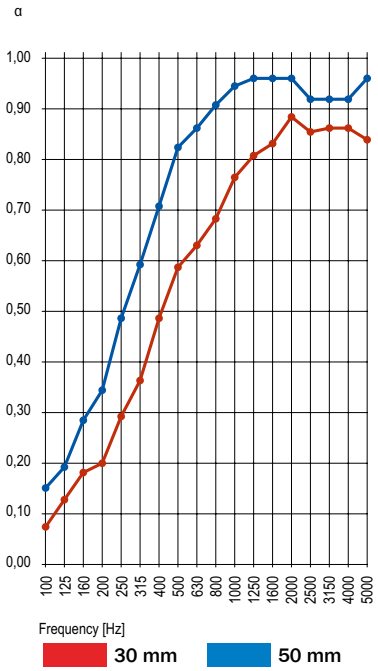
PERFORATION DATA SHEET

VECTA® design
STRETCH CEILING SYSTEMS

Vecta Design perforated ceilings can be used with a sound absorption sheet. This is a thermal-acoustic insulating material that is recognized for its exceptional acoustic absorbing and thermal insulating properties. Vecta Design offers 2 kinds of absorbents with a density of 25 kg/m^3: thickness of 30 mm and 50mm. Sound absorption sheet contains no toxic substances, it can be handled and installed safely.
Vecta Design perforated ceilings can be used in the public and private places, where intensity of sound (noise) should be reduced, for example: airports, museums, churches, night clubs, restaurants.







Frequency [Hz]	Reverberation times, [S]		Sound absorption coefficient, α_s	Expanded uncertainty, U	Effective degrees of freedom	Coverage factor	Coverage probability, [%]
	Empty room, T1	Room with sample, T_2					
100	12,7	9,3 / 7,2	**0,07 / 0,15**	0,02 / 0,01	30 / 34	2,09 / 2,08	95,45
125	11,6	7,3 / 6,2	**0,12 / 0,19**	0,01 / 0,01	29 / 26	2,09 / 2,11	
160	11,6	6,4 / 5,1	**0,18 / 0,28**	0,01 / 0,02	33 / 23	2,08 / 2,11	
200	11,3	5,9 / 4,4	**0,20 / 0,34**	0,01 / 0,02	26 / 19	2,11 / 2,14	
250	11,1	4,8 / 3,5	**0,29 / 0,48**	0,02 / 0,03	19 / 18	2,14 / 2,16	
315	11,5	4,3 / 3,0	**0,36 / 0,59**	0,01 / 0,02	26 / 20	2,11 / 2,14	
400	10,4	3,4 / 2,6	**0,48 / 0,71**	0,02 / 0,03	20 / 18	2,14 / 2,15	
500	9,3	2,9 / 2,3	**0,58 / 0,83**	0,04 / 0,04	17 / 17	2,16 / 2,16	
630	9,1	2,7 / 2,2	**0,63 / 0,86**	0,02 / 0,03	18 / 17	2,16 / 2,16	
800	8,4	2,5 / 2,0	**0,68 / 0,91**	0,02 / 0,03	18 / 18	2,15 / 2,16	
1000	7,5	2,3 / 1,9	**0,77 / 0,94**	0,02 / 0,02	18 / 18	2,15 / 2,15	
1250	6,0	2,0 / 1,8	**0,81 / 0,96**	0,02 / 0,03	19 / 19	2,15 / 2,15	
1600	5,7	2,0 / 1,8	**0,83 / 0,96**	0,02 / 0,03	20 / 18	2,14 / 2,16	
2000	5,3	1,8 / 1,7	**0,88 / 0,96**	0,01 / 0,02	20 / 20	2,14 / 2,14	
2500	4,4	1,8 / 1,7	**0,85 / 0,92**	0,02 / 0,02	19 / 19	2,14 / 2,14	
3150	3,6	1,6 / 1,5	**0,86 / 0,92**	0,01 / 0,02	23 / 19	2,12 / 2,15	
4000	2,9	1,4 / 1,4	**0,86 / 0,92**	0,02 / 0,02	22 / 23	2,12 / 2,11	
5000	2,3	1,3 / 1,2	**0,83 / 0,96**	0,02 / 0,02	25 / 23	2,11 / 2,11	

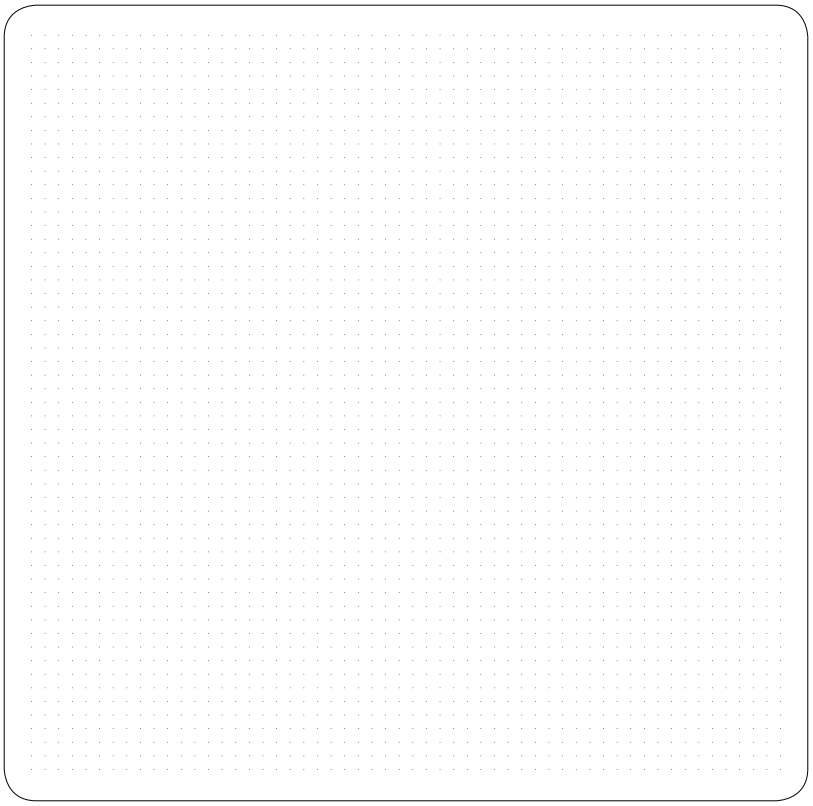
sound eco

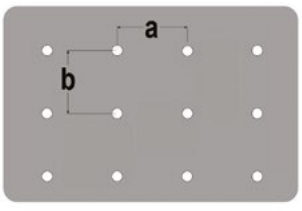
Vecta Design LTD
Phone: +372-(44)-23-023
info@vectadesign.com
Pärlimõisa tee 20, Pärnu
Fax: +372-(43)-70-339
www.vectadesign.com
80010 Estonia
skype: vecta-design

PERFORATION DATA SHEET

VECTA® STRETCH CEILING SYSTEMS design

MICROPERFORATION **VOLANS**





a - 1,8 mm
b - 1,8 mm
ø - 0,1 mm

Holes: 300 000/m²
Hole diameter: 0,1 mm
*in a stretched form - 0,15 mm

sound eco

Vecta Design LTD
Phone: +372-(44)-23-023
info@vectadesign.com

Pärlimõisa tee 20, Pärnu
Fax: +372-(43)-70-339
www.vectadesign.com

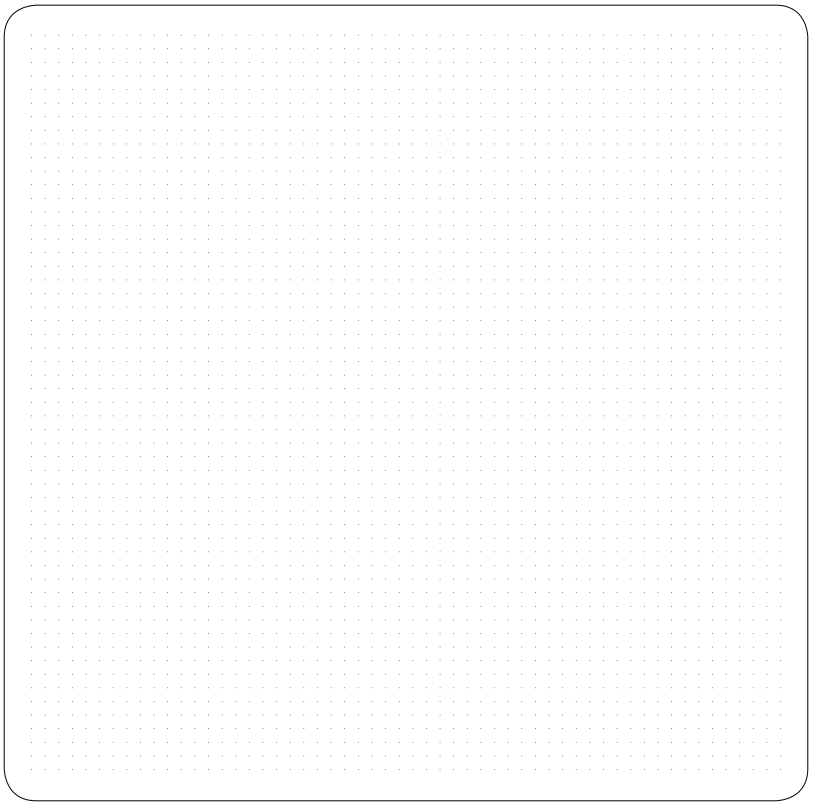
80010 Estonia

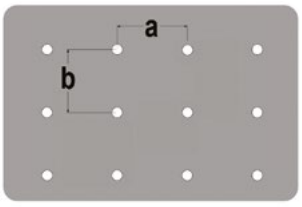
skype: vecta-design

PERFORATION
DATA SHEET

VECTA® design
STRETCH CEILING SYSTEMS

MICROPERFORATION **VOLANS PREMIUM**





a - 1,82 mm
b - 1,82 mm
ø - 0,15 mm

Holes: 300 000/m²
Hole diameter: 0,15 mm
*in a stretched form - 0,25 mm

sound eco

Vecta Design LTD
Phone: +372-(44)-23-023
info@vectadesign.com

Pärlimõisa tee 20, Pärnu
Fax: +372-(43)-70-339
www.vectadesign.com

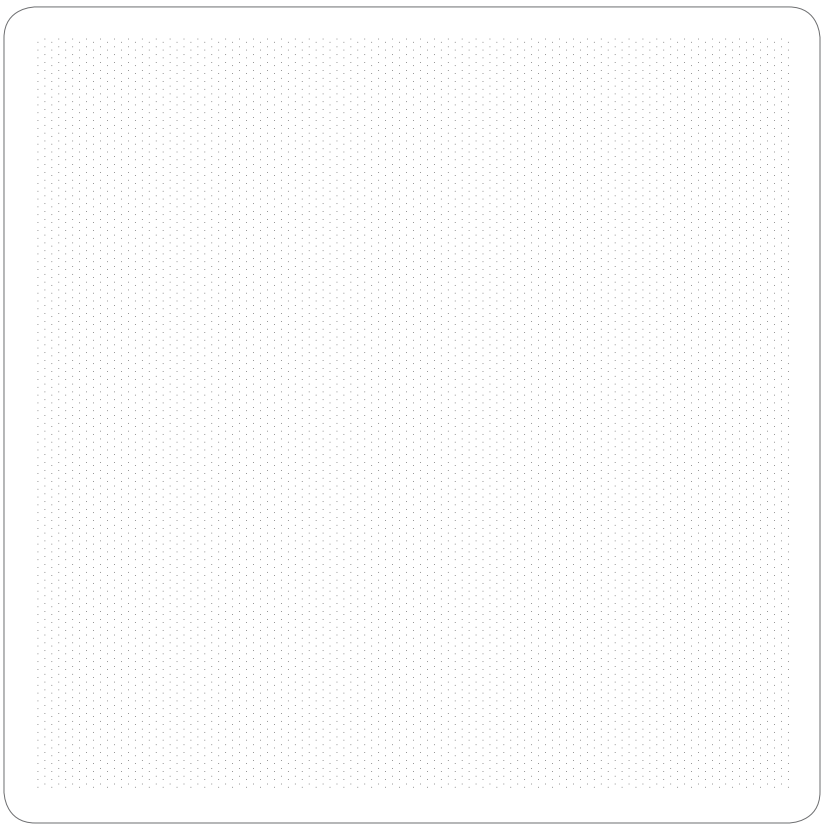
80010 Estonia

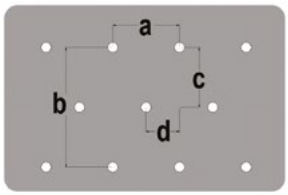
skype: vecta-design

PERFORATION DATA SHEET

VECTA® STRETCH CEILING SYSTEMS design

MICROPERFORATION **LYRA**





a - 1,58 mm
b - 3,16 mm
c - 1,58 mm
d - 0,73 mm
ø - 0,1 mm

Holes: 400 000/m^2
Hole diameter: 0,1 mm
*in a stretched form - 0,15 mm

sound eco

Vecta Design LTD
Phone: +372-(44)-23-023
info@vectadesign.com

Pärlimõisa tee 20, Pärnu
Fax: +372-(43)-70-339
www.vectadesign.com

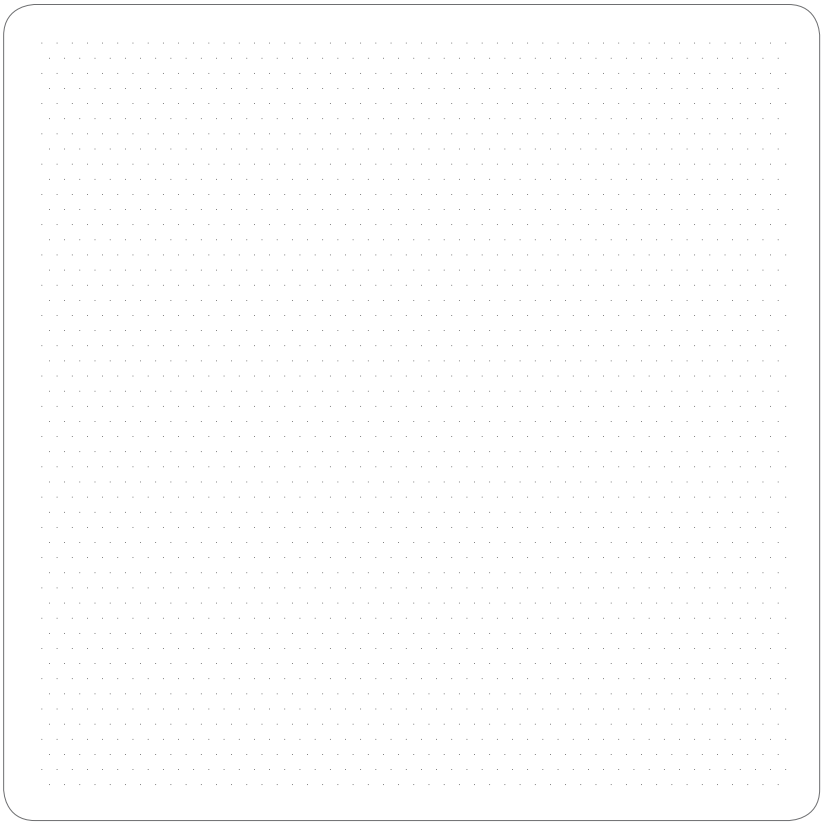
80010 Estonia

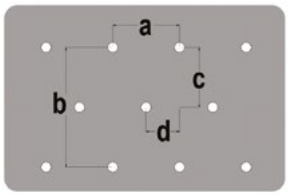
skype: vecta-design

PERFORATION DATA SHEET

VECTA® STRETCH CEILING SYSTEMS design

MICROPERFORATION **AURIGA**





a - 2 mm
b - 3,6 mm
c - 1,8 mm
d - 1 mm
ø - 0,1 mm

Holes: 275 000/m^2
Hole diameter: 0,1 mm
*in a stretched form - 0,15 mm

Vecta Design LTD
Phone: +372-(44)-23-023
info@vectadesign.com

Pärlimõisa tee 20, Pärnu
Fax: +372-(43)-70-339
www.vectadesign.com

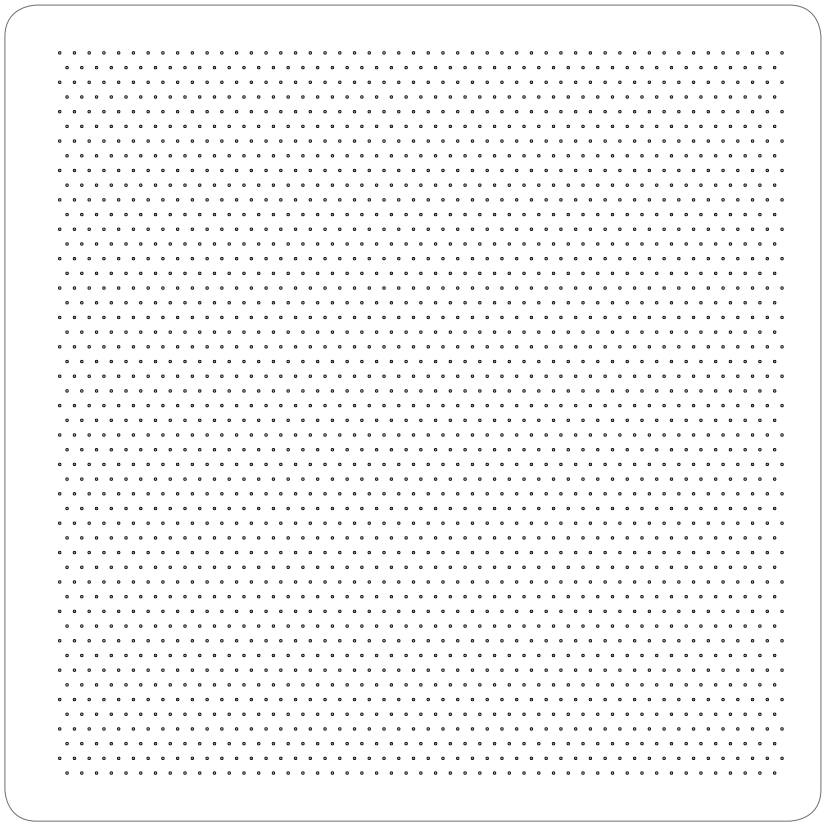
80010 Estonia

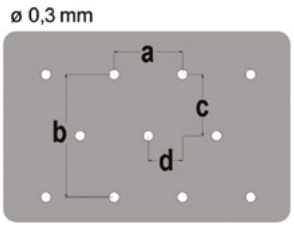
skype: vecta-design

PERFORATION DATA SHEET

VECTA® STRETCH CEILING SYSTEMS design

MICROPERFORATION **ORION**





a - 2 mm
b - 3,6 mm
c - 1,8 mm
d - 1 mm
ø - 0,30 mm

Holes: 275 000/m^2
Hole diameter: 0,30 mm

sound eco

Vecta Design LTD
Phone: +372-(44)-23-023
info@vectadesign.com

Pärlimõisa tee 20, Pärnu
Fax: +372-(43)-70-339
www.vectadesign.com

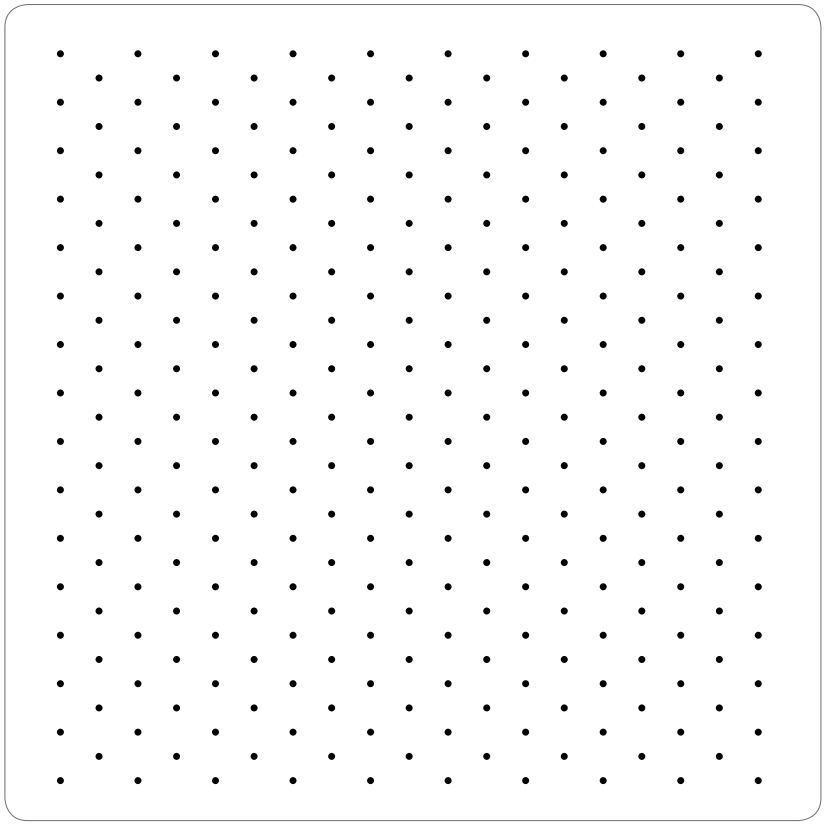
80010 Estonia

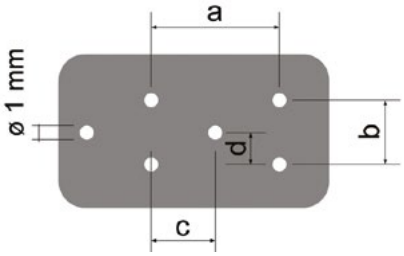
skype: vecta-design

PERFORATION DATA SHEET

VECTA® STRETCH CEILING SYSTEMS design

MACROPERFORATION **CETUS**





a - 8 mm
b - 5 mm
c - 4 mm
d - 2,5 mm
ø - 1 mm

Holes: 52 000/m^2
Hole diameter: 1 mm

sound eco

Vecta Design LTD
Phone: +372-(44)-23-023
info@vectadesign.com

Pärlimõisa tee 20, Pärnu
Fax: +372-(43)-70-339
www.vectadesign.com

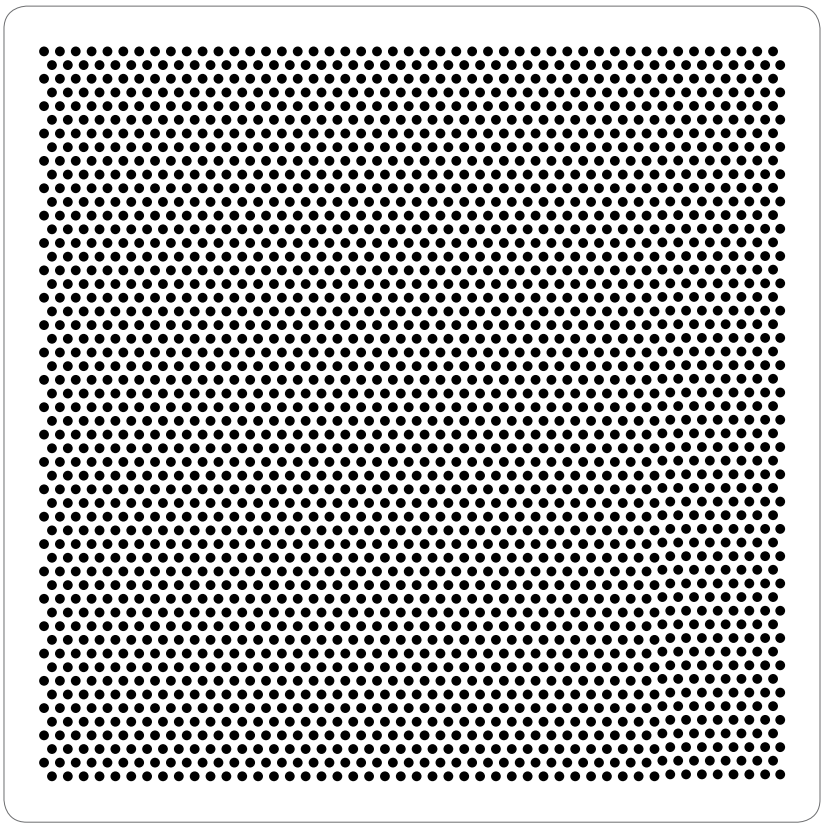
80010 Estonia

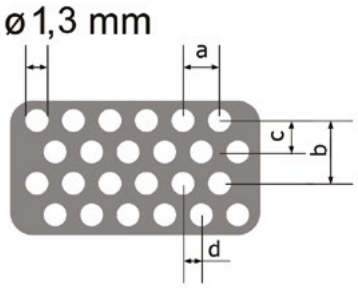
skype: vecta-design

PERFORATION
DATA SHEET

VECTA® design
STRETCH CEILING SYSTEMS

MACROPERFORATION **LIBRA**





a - 2,1 mm
b - 3,63 mm
c - 1,82 mm
d - 1,05 mm
ø - 1,3 mm

Holes: 254 000/m^2
Hole diameter: 1,3 mm

sound eco

Vecta Design LTD
Phone: +372-(44)-23-023
info@vectadesign.com

Pärlimõisa tee 20, Pärnu
Fax: +372-(43)-70-339
www.vectadesign.com

80010 Estonia

skype: vecta-design