

# ACOUSTIC CEILINGS

## OLYMPUS MICRO

### FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC.
- Excellent combination of noise reduction (up to NRC-0.70) and sound attenuation (up to CAC-37).
- Excellent for critical lighting applications that require High Light Reflectance (0.88).
- High Humidity Resistance up to RH-99%.
- Light granulated surface texture with virtually invisible micro-perforation for a smoother look than standard perforations. Improves sound absorption. Reduces light fixture & energy usage.
- Fire resistant system options for life safety and protection of property.
- Available in HRC (High Recycled Content) for optimized recycled content formulations to help maximize LEED® recycled content contribution and sound absorption.
- Ideal solutions for classroom and educational facilities.
- Upon request, panel faces and back surfaces are treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits mold growth.

### APPLICATIONS

- Classrooms
- Libraries
- Corridors and stairwell
- Reception and lobby areas
- Restaurant and cafe
- Sports hall
- General offices
- Shopping centers

Absorption Coefficient	Frequency, Hz	125	250	500	1000	2000	4000	NRC*
	15mm	0.35	<b>0.35</b>	<b>0.50</b>	<b>0.65</b>	<b>0.60</b>	0.50	<b>0.55</b>
19mm	0.30	<b>0.45</b>	<b>0.70</b>	<b>0.70</b>	<b>0.70</b>	0.60	<b>0.65</b>	
19mm HNRC	0.45	<b>0.50</b>	<b>0.75</b>	<b>0.85</b>	<b>0.80</b>	0.65	<b>0.70</b>	

\*Calculated to ASTM C 423-01





EN 13964 : 2014 + A1 : 2007

**TABLE OF PERFORMANCE**

Edge Detail	Item	Size (mm)	SOUND		Light Reflectance	Anti-Mold & Mildew/Sag Resistance	FIRECODE	Recycled Content	VOC Emission	Cost
			NRC	CAC						
	OLPS665	600*600*15	0.55	35	88%			25%	Low	\$
	OLPS225	610*610*15								
	OLPC665	600*600*15	0.55	35	88%			39%	Low	\$
	OLPC225	610*610*15								
	OLPC625	600*1200*15	0.55	35	88%			39%	Low	\$
	OLPC245	610*1220*15								
	OLPX665	600*600*15	0.55	36	88%			56%	Low	\$\$
	OLPX225	610*610*15								
	OLPX625	600*1200*15	0.55	36	88%			56%	Low	\$\$
	OLPX245	610*1220*15								
	OLPC325	300*1200*15	0.55	35	88%			39%	Low	\$\$
	OLPC145	310*1220*15								
	OLPC669-HNRC	600*600*19	0.70	37	88%			82%	Low	\$\$\$
	OLPC229-HNRC	610*610*19								
	OLPS669	600*600*19	0.65	37	88%			25%	Low	\$\$
	OLPS229	610*610*19								
	OLPC329	300*1200*19	0.65	37	88%			39%	Low	\$\$
	OLPC349	310*1220*19								
OLPC629-HNRC	600*1200*19	0.70	37	88%			82%	Low	\$\$\$	
OLPC249-HNRC	610*1220*19									
	OLPSR665	600*600*15	0.55	35	88%			25%	Low	\$
	OLPSR225	610*610*15								
	OLPCR665	600*600*15	0.55	35	88%			39%	Low	\$
	OLPCR225	610*610*15								
	OLPSR669	600*600*19	0.65	37	88%			25%	Low	\$\$
	OLPSR229	610*610*19								
	OLPCR669-HNRC	600*600*19	0.70	37	88%			82%	Low	\$\$\$
	OLPCR229-HNRC	610*610*19								
	OLPXR629	600*1200*19	0.65	37	88%			56%	Low	\$\$\$
	OLPXR249	610*1220*19								
	OLPCR629-HNRC	600*1200*19	0.70	37	88%			82%	Low	\$\$\$
	OLPCR249-HNRC	610*1220*19								
	OLPSRF665	600*600*15	0.55	35	88%			25%	Low	\$
	OLPSRF225	610*610*15								
	OLPCRF665	600*600*15	0.55	35	88%			39%	Low	\$\$
	OLPCRF225	610*610*15								
	OLPCRF325	300*1200*15	0.55	35	88%			39%	Low	\$\$
	OLPCRF145	310*1220*15								
	OLPSRF669	600*600*19	0.65	37	88%			25%	Low	\$\$
	OLPSRF229	610*610*19								
	OLPCRF669-HNRC	600*600*19	0.70	37	88%			82%	Low	\$\$\$
	OLPCRF229-HNRC	610*610*19								
	OLPCRF629-HNRC	600*1200*19	0.70	37	88%			82%	Low	\$\$\$
	OLPCRF249-HNRC	610*1220*19								
OLPCRF329	300*1200*19	0.65	37	88%			39%	Low	\$\$\$	
OLPCRF349	310*1220*19									
	OLPXC665	600*600*15	0.55	36	88%			56%	Low	\$\$\$\$
	OLPXC669	600*600*19	0.65	37	88%			56%	Low	\$\$\$\$
	OLPXRFD325	300*1200*15	0.55	35	88%			56%	Low	\$\$\$\$
	OLPXRFD355	300*1500*15	0.55	35	88%			56%	Low	\$\$\$\$
	OLPXRFD385	300*1800*15	0.55	35	88%			56%	Low	\$\$\$\$
	OLPXRFD625	600*1200*15	0.55	35	88%			56%	Low	\$\$\$\$





**TABLE OF PERFORMANCE**



Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
<b>D-BESK</b> 	OLPXRFD655	600*1500*15	0.55	35	88%			56%	Low	\$\$\$\$
	OLPXRFD685	600*1800*15	0.55	35	88%			56%	Low	\$\$\$\$
	OLPXRFD329	300*1200*19	0.65	37	88%			56%	Low	\$\$\$\$
	OLPXRFD359	300*1500*19	0.65	37	88%			56%	Low	\$\$\$\$
	OLPXRFD389	300*1800*19	0.65	37	88%			56%	Low	\$\$\$\$
	OLPXRFD629	600*1200*19	0.65	37	88%			56%	Low	\$\$\$\$
	OLPXRFD659	600*1500*19	0.65	37	88%			56%	Low	\$\$\$\$
	OLPXRFD689	600*1800*19	0.65	37	88%			56%	Low	\$\$\$\$

**Low Emissions (VOC)**

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. UL.

**High Recycled Content**

Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines. **For firechief products.**

**GRID PROFILE OPTIONS**

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge	DXI FLB Edge
DX/DXL BESK Edge	DX/DXL D-BESK Edge				

**SPECIFICATION DETAILS**

**Olympos Micro** Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

**Materials Classification**

Type: III,  
Form: 2,  
Pattern: C, E

**Substrate and Surface Finish**

Mineral fiber substrate finished with factory-applied water-based paint

**Thickness**

15mm, 19mm

**Size**

300 x 1200mm, 310 x 1220mm,  
300 x 1500mm, 310 x 1520mm,  
300 x 1800mm, 310 x 1830mm,  
600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm,  
600 x 1500mm, 610 x 1520mm,  
600 x 1800mm, 610 x 1830mm

**Edge Detail Trim**

Square, Reveal [SLT, FLB],  
Concealed [BESK, D-BESK]

**Weight**

15mm [3.6 kg/m<sup>2</sup>, Regular/ ClimaPlus™]  
15mm [5.1 kg/m<sup>2</sup>, Firecode®]  
19mm [4.5 kg/m<sup>2</sup>, Regular/ ClimaPlus™]  
19mm [6.45 kg/m<sup>2</sup>, Firecode®]

**Noise Reduction Coefficient [NRC]**

[0.55] [0.65] [0.70]

**Ceiling Attenuation Class [CAC]**

[35 - 37 dB]

**Humidity Resistance**

Maximum 99% RH / 40°C for ClimaPlus™

**Light Reflectance Coefficient [LR]**

0.88

**Color**

White similar to RAL 9016

**Surface Burning Characteristics as per ASTM E84**

Class A

**Reaction to Fire as per EN 13501-1**

Euroclass A2-s1, d0

**Fire Rating as per ASTM E119**

2hrs Time-Rated Assembly [J201]

**Thermal Conductivity**

λ = 0.057 W/m²K

**Washability / Scrubbability as per ASTM D4828 & D2486**

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

**VOC Class**

Greenguard Gold

**Formaldehyde Classification**

Class E1 as per EN717-1

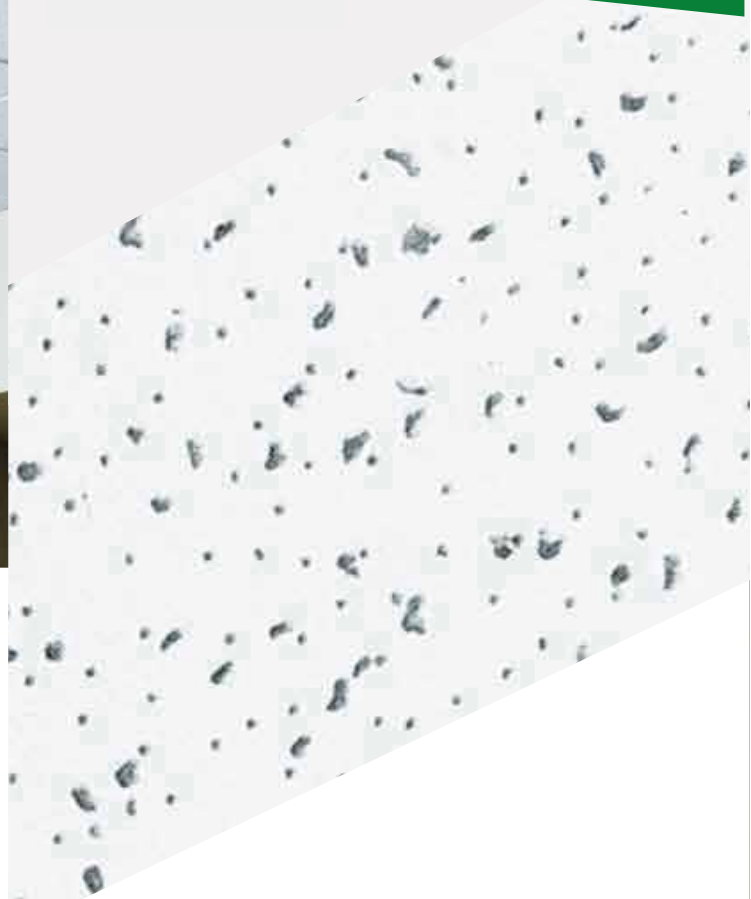
**Relevant LEED® Credit**

EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9





# TROYA



## FEATURES & BENEFITS

- Balanced Acoustics. High-NRC and High-CAC provides balance to room acoustics and sound attenuation; ideal for general commercial construction.
- Excellent combination of noise reduction (up to NRC-0.80) and sound attenuation (up to CAC-40).
- 360° non-directional pattern with a fresh, clean appearance that allows for fast, efficient installation.
- Cost-effective all-purpose ceiling pattern solution offered in many sizes and edge details.
- Fire resistant system options for life safety and protection of property.
- Available in HRC (High Recycled Content) for optimized recycled content formulations to help maximize LEED® recycled content contribution and sound absorption.
- Available in 22mm for High NRC & High CAC panels.
- Also available in washable paint and various plank sizes.

## APPLICATIONS

- Education
- Corridors
- Cafeterias
- Libraries
- Open office plans
- Retail stores
- Basement

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
12mm	0.30	0.30	0.40	0.55	0.75	0.85	0.50
15mm	0.40	0.35	0.45	0.60	0.70	0.70	0.50
19mm	0.30	0.35	0.55	0.75	0.75	0.65	0.60
19mm HNRC	0.25	0.35	0.65	0.85	0.90	0.90	0.70
22mm	0.35	0.50	0.75	0.95	1.0	0.90	0.80

Absorption Coefficient

\* Calculated to ASTM C 423-01



EN 13964 - 2014 + A1 - 2007

**TABLE OF PERFORMANCE**



EN 13964 - 2014 + A1 - 2007



PRODUCT CERTIFIED FOR ENVIRONMENTAL PRODUCT DECLARATION



PRODUCT CERTIFIED FOR LOW VOC EMISSIONS



HIGH SOUND ABSORPTION



CEILING ATTENUATION CLASS



FIRECODE



HIGH RECYCLED CONTENT

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	RDS662	600*600*12	0.50	35	85%			25%	Low	\$
	RDS222	610*610*12								
	RDS665	600*600*15	0.50	36	85%			25%	Low	\$
	RDS225	610*610*15								
	RDC665	600*600*15	0.50	36	85%			39%	Low	\$
	RDC225	610*610*15								
	RDX665	600*600*15	0.50	37	85%			56%	Low	\$\$
	RDX225	610*610*15								
	RDX625	600*1200*15	0.50	37	85%			56%	Low	\$\$
	RDX245	610*1220*15								
	RDX669	600*600*19	0.60	40	85%			56%	Low	\$\$
	RDX229	610*610*19								
	RDC325	300*1200*15	0.50	36	85%			39%	Low	\$\$
	RDC145	310*1220*15								
	RDS669	600*600*19	0.60	38	85%			25%	Low	\$\$
	RDS229	610*610*19								
	RDC669-HNRC	600*600*19	0.70	40	85%			82%	Low	\$\$\$
	RDC229-HNRC	610*610*19								
	RDC329	300*1200*19	0.60	40	85%			39%	Low	\$\$\$
	RDC149	310*1220*19								
RDC669	600*600*19	0.60	40	85%			39%	Low	\$\$\$	
RDC229	610*610*19									
RDC6622	600*600*22	0.80	39	85%			39%	Low	\$\$\$\$	
RDC2222	610*610*22									
SLT 	RDSR665	600*600*15	0.50	36	85%			25%	Low	\$
	RDSR225	610*610*15								
	RDCR665	600*600*15	0.50	36	85%			39%	Low	\$
	RDCR225	610*610*15								
	RDXR669	600*600*19	0.60	40	85%			56%	Low	\$\$
	RDXR229	610*610*19								
	RDCR325	300*1200*15	0.50	36	85%			39%	Low	\$\$
	RDCR145	310*1220*15								
	RDSR669	600*600*19	0.60	38	85%			25%	Low	\$\$
	RDSR229	610*610*19								
	RDCR669-HNRC	600*600*19	0.70	40	85%			82%	Low	\$\$\$
	RDCR229-HNRC	610*610*19								
	RDCR329	300*1200*19	0.60	40	85%			39%	Low	\$\$\$
	RDCR149	310*1220*19								
RDCR669	600*600*19	0.60	40	85%			39%	Low	\$\$\$	
RDCR229	610*610*19									
RDCR6622	600*600*22	0.80	39	85%			39%	Low	\$\$\$\$	
RDCR2222	610*610*22									
FLB 	RDSRF665	600*600*15	0.50	36	85%			25%	Low	\$
	RDSRF225	610*610*15								
	RDCRF665	600*600*15	0.50	36	85%			39%	Low	\$
	RDCRF225	610*610*15								
	RDCRF325	300*1200*15	0.50	36	85%			39%	Low	\$\$
	RDCRF145	310*1220*15								
	RDCRF329	300*1200*19	0.60	40	85%			39%	Low	\$\$\$
RDCRF149	310*1220*19									

**Low Emissions (VOC)**  
Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2. UL.

**High Recycled Content**  
Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

## GRID PROFILE OPTIONS



DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge

## SPECIFICATION DETAILS

**Troya** Acoustical Ceiling meets specifications in accordance with ASTM E1264 and EN13964.

### Materials Classification

Type: III,  
Form: 2,  
Pattern: C,D, E

### Substrate and Surface Finish

Mineral fiber substrate finished with factory-applied water-based paint

### Thickness

12mm, 15mm, 19mm, 22mm

### Size

300 x 1200mm, 310 x 1220mm,  
600 x 600mm, 610 x 610mm,  
600 x 1200mm, 610 x 1220mm

### Edge Detail Trim

Square, Reveal [SLT, FLB]

### Weight

12mm [2.85 kg/m<sup>2</sup>, Regular/ ClimaPlus™],  
15mm [3.6 kg/m<sup>2</sup>, Regular/ ClimaPlus™],  
15mm [5.1 kg/m<sup>2</sup>, Firecode®],  
19mm [4.5 kg/m<sup>2</sup>, Regular/ ClimaPlus™],  
19mm [6.45 kg/m<sup>2</sup>, Firecode®],  
22mm [5.25 kg/m<sup>2</sup>, Regular/ ClimaPlus™]

### Noise Reduction Coefficient [NRC]

[0.50] [0.60] [0.70] [0.80]

### Ceiling Attenuation Class [CAC]

[35 - 40 dB]

### Humidity Resistance

Maximum 99% RH / 40°C for ClimaPlus™

### Light Reflectance Coefficient [LR]

0.85

### Color

White similar to RAL 9016

### Surface Burning Characteristics as per ASTM E84

Class A

### Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

### Fire Rating as per ASTM E119

2hrs Time-Rated Assembly [J201]

### Thermal Conductivity

$\lambda = 0.057$  W/m<sup>2</sup>K

### VOC Class

Greenguard Gold

### Washability / Scrubbability as per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles without surface break or the extent of abrasion upon request

### Formaldehyde Classification

Class E1 as per EN717-1

### Relevant LEED® Credit

EA Credit 1 | MR Credit 4 | MR Credit 5 |  
MR Credit 6 | IEQ Credit 3 | IEQ Credit 3.2 |  
IEQ Credit 4.6 | IEQ Credit 8.1 | IEQ Credit 9