

ALTAECO S.p.A

Appiani - Denim

188589-420

Certificate Number

03/16/2020 - 03/16/2021

Certificate Period

Certified

Status

UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment.

Wall finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office Environment with an air change of 0.68 hr⁻¹ and a loading of 33.40 m².



Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC (A)	-	0.22	mg/m³
Formaldehyde	50-00-0	9 (7.3 ppb)	μg/m³
Total Aldehydes (B)	-	0.043	ppm
4-Phenylcyclohexene	4994-16-5	6.5	μg/m³
Particle Matter less than 10 µm (C)	-	20	μg/m³
1-Methyl-2-pyrrolidinone (D)	872-50-4	160	μg/m³
Individual VOCs (E)	-	1/2 CREL or 1/100th TLV	-

⁽A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ range, with responses calibrated to a toluene surrogate. Maximum allowable predicted TVOC concentrations for GREENGUARD Gold (0.22 mg/m³) fall in the range of 0.5 mg/m³ or less, as specified in CDPH Standard Method v1.2.



⁽B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.

⁽C) Particle emission requirement only applicable to HVAC Duct Products with exposed surface area in air streams (a forced air test with specific test method) and for wood finishing (sanding) systems.

⁽D) Based on the CA Prop 65 Maximum Allowable Dose Level for inhalation of 3,200 μg/day and an inhalation rate of 20 m³/day

⁽E) Allowable levels for chemicals not listed are derived from the lower of 1/2 the California Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/EHLB/Standard Method v1.2 and BIFMA level credit 7.6.2 and 1/100th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



ALTAECO S.p.A

Appiani - Denim Mix

188590-420

Certificate Number

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ALTAECO S.p.A

Appiani - Diva

188591-420

Certificate Number

03/16/2020 - 03/16/2021

Certificate Period

Certified

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ALTAECO S.p.A

Appiani - Seta

188592-420 Certificate Number

03/16/2020 - 03/16/2021

Certificate Period

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ALTAECO S.p.A

Appiani - Anthologhia

188593-420

Certificate Number

03/16/2020 - 03/16/2021

Certificate Period

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UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

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ALTAECO S.p.A

Appiani - Open Space

188594-420

Certificate Number

03/16/2020 - 03/16/2021

Certificate Period

Certified

Status

UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

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ALTAECO S.p.A

Appiani - Metallica

188595-420

Certificate Number

03/16/2020 - 03/16/2021

Certificate Period

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Status

UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

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ALTAECO S.p.A

Appiani - Oro e Platino

188596-420

Certificate Number

03/16/2020 - 03/16/2021

Certificate Period

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ALTAECO S.p.A

Appiani - Mix

188597-420

Certificate Number

03/16/2020 - 03/16/2021

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ALTAECO S.p.A

Appiani - Decori

188601-420

Certificate Number

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ALTAECO S.p.A

Appiani - Libra

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ALTAECO S.p.A

Appiani - Regolo Flat

188599-420

Certificate Number

03/16/2020 - 03/16/2021

Certificate Period

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1-Methyl-2-pyrrolidinone (D)	872-50-4	160	μg/m³
Individual VOCs (E)	-	1/2 CREL or 1/100th TLV	-

⁽A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ range, with responses calibrated to a toluene surrogate. Maximum allowable predicted TVOC concentrations for GREENGUARD Gold (0.22 mg/m³) fall in the range of 0.5 mg/m³ or less, as specified in CDPH Standard Method v1.2.



⁽B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.

⁽C) Particle emission requirement only applicable to HVAC Duct Products with exposed surface area in air streams (a forced air test with specific test method) and for wood finishing (sanding) systems.

⁽D) Based on the CA Prop 65 Maximum Allowable Dose Level for inhalation of 3,200 μg/day and an inhalation rate of 20 m³/day

⁽E) Allowable levels for chemicals not listed are derived from the lower of 1/2 the California Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/EHLB/Standard Method v1.2 and BIFMA level credit 7.6.2 and 1/100th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



ALTAECO S.p.A

Appiani - Regolo Textured

Certificate Number

188600-420

03/16/2020 - 03/16/2021

Certificate Period

Certified

Status

UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment.

Wall finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office Environment with an air change of 0.68 hr⁻¹ and a loading of 33.40 m².



Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC (A)	-	0.22	mg/m³
Formaldehyde	50-00-0	9 (7.3 ppb)	μg/m³
Total Aldehydes (B)	-	0.043	ppm
4-Phenylcyclohexene	4994-16-5	6.5	μg/m³
Particle Matter less than 10 µm (C)	-	20	μg/m³
1-Methyl-2-pyrrolidinone (D)	872-50-4	160	μg/m³
Individual VOCs (E)	-	1/2 CREL or 1/100th TLV	-

⁽A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ range, with responses calibrated to a toluene surrogate. Maximum allowable predicted TVOC concentrations for GREENGUARD Gold (0.22 mg/m³) fall in the range of 0.5 mg/m³ or less, as specified in CDPH Standard Method v1.2.



⁽B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.

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