

CERTIFICATE OF COMPLIANCE



Formica Corporation

Formica® Brand Laminate

Restrictions: Excludes Backer Sheets

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

1769-410

Certificate Number

10/28/2004 - 10/28/2016

Certificate Period

Certified

Status

Products tested in accordance with UL 2821 test method to show compliance to emission limits in UL 2818, Section 7.1.



Environment

GREENGUARD Certification Criteria for Building Products and Interior Finishes

| Criteria | CAS Number | Maximum Allowable Predicted Concentration | Units |
|--|------------|---|-------------------|
| TVOC ^(A) | - | 0.50 | mg/m ³ |
| Formaldehyde | 50-00-0 | 61.3 (50 ppb) | µg/m ³ |
| Total Aldehydes ^(B) | - | 0.10 | ppm |
| Particle Matter less than 10 µm ^(C) | - | 50 | µg/m ³ |
| 4-Phenylcyclohexene | 4994-16-5 | 6.5 | µg/m ³ |
| Individual VOCs ^(D) | - | 1/10th TLV | - |

- (A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ range, with responses calibrated to a toluene surrogate.
- (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) Allowable levels for chemicals not listed are derived from 1/10th 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).



Environment