GG239-14
806.2, 806.3

Proponent: Stephany Mason, Eurofins Air Toxics, Inc., representing Eurofins Scientific (stephanymason@eurofinsus.com)

Revise as follows:

806.2 Adhesives and sealants. A minimum of 85 percent by weight or volume, of specific categories of site-applied adhesives and sealants used on the interior side of the building envelope shall comply with the VOC content limits in Table 806.2(1) or alternative VOC emission limits in Table 806.2(2). The VOC content shall be determined in accordance with the appropriate standard being ~~either~~ U.S. EPA Method 24, ~~or~~ SCAQMD Method 304, 316A or 316B, or ISO 11890-1 and 11890-2. The exempt compound content shall be determined by either SCAQMD Methods 302 and 303, ~~or~~ ASTM D 3960 or ISO 11890-2. Table 806.2(1) adhesives and sealants regulatory category and VOC content compliance determination shall conform to the SCAQMD Rule 1168. The provisions of this section shall not apply to adhesives and sealants that are subject to other applicable ~~state or federal~~ consumer product VOC regulations. HVAC duct sealants shall be classified as "Other" category within the SCAQMD Rule 1168 sealants table.

> **Exception:** HVAC air duct sealants are not required to meet the emissions or the VOC content requirements when the air temperature in which they are applied is less than 40°F (4.5°C).

Table 806.2(2) adhesive alternative emissions standards compliance shall be determined utilizing test methodology incorporated by reference in the CDPH/EHLB/Standard Method V.1.1. The alternative emissions testing shall be performed by a laboratory that has the CDPH/EHLB/Standard Method V.1.1 test methodology in the scope of its ISO 17025 Accreditation.

806.3 Architectural paints and coatings. A minimum of 85 percent by weight or volume, of site-applied interior architectural coatings shall comply with VOC content limits in Table 806.3(1) or the European Decopaint Directive (2004/42/EC), the Canadian VOC Concentration Limits for Architectural Coatings, the Hong Kong Air Pollution Control (VOC) Regulation, or the alternate emissions limits in Table 806.3(2). The exempt compound content shall be determined by ASTM D 3960 or ISO 11890-2.

Table 806.3(2) architectural coating alternate emissions standards compliance shall be determined utilizing test methodology incorporated by reference in the CDPH/EHLB/Standard Method V.1.1. The alternative emissions testing shall be performed by a laboratory that has the CDPH/EHLB/Standard Method V.1.1 test methodology in the scope of its ISO 17025 Accreditation.

Add new standard(s) as follows:

Environment Canada
10 Wellington, 23rd Floor
Gatineau QC K1A 0H3

SOR/2009-264 Canadian VOC Concentration Limits for Architectural Coatings

Environmental Protection Department of Hong Kong
15/F & 16/F, East Wing, Central Government Offices
2 Tim Mei Avenue
Tamar, Hong Kong

CAP 311 W - JAN 4, 2007 Hong Kong Air Pollution Control (VOC) Regulation (with revisions through JAN 1, 2010)

European Commission
Europe House
32 Smith Square
London SW1P 3EU

2004/42/EC European Decopaint Directive

ISO

11890-1:2007 Paints and varnishes -- Determination of volatile organic compound (VOC) content -- Part 1: Difference method
11890-2:2012 Paints and varnishes -- Determination of volatile organic compound (VOC) content -- Part 2: Gas-chromatographic method

Reason: This allows for selection of products and materials that fall under national laws other than those of the US. This is important especially if this international code is to be applied outside of the US.

These revisions are comparable to the new USGBC LEED v4 "Low-emitting materials" credit as it relates to VOC content requirements.

Bibliography:
European Decopaint Directive (http://ec.europa.eu/environment/air/pollutants/stationary/paints/paints_legis.htm)
Canadian VOC Concentration Limits for Architectural Coatings (http://ec.gc.ca/lcpe-cepa/eng/regulations/detailReg.cfm?intReg=117)
Hong Kong Air Pollution Control Regulation (http://epd.gov.hk/epd/english/environmentinhk/air/air_maincontent.html)

Cost Impact: Will not increase the cost of construction these changes should result in decreased building costs.

Analysis: A review of the standards proposed for inclusion in the code, ISO 11890-1 (2007), ISO 11890-2 (2013), European Decopaint Directive, Canadian VOC Concentration Limits for Architectural Coatings and Hong Kong Air Pollution Control Regulation with regard to the ICC criteria for referenced standards (Section 3.6 of CP#28) will be posted on the ICC website on or before April 1, 2014.

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