# 13 Exposure to Toxins

Healthy

## Submission information

Provide the following information for the submission

|  |  |
| --- | --- |
| **Submission type** | Choose an item. |
| **Performance level targeted** | Minimum Expectation |
| Credit Achievement |
| **Points targeted** | Click or tap here to enter text. |

#### ***Please ensure the regular occupied area section is completed.***

#### Technical Questions

|  |  |
| --- | --- |
| There are project-specific technical questions for this credit and all responses received from the NZGBC are included in the submission. | Choose an item. |

## Changes between Rounds

If applicable, please use the text box below to explain any changes between Round 1 and Round 2. This is an opportunity for the GSAP to describe how they have addressed the Assessors comments in Round 2.

Click or tap here to enter text.

## Submission template

### Minimum Expectation

#### Paints, Adhesives, Sealants, and Carpets

|  |  |
| --- | --- |
| **At least 95% of internally applied paints, adhesives, sealants, and carpets meet the stipulated Total Volatile Organic Compounds (TVOC) limits.** |  |
| **The product(s) are certified under a recognised Product Certification Scheme, with certificates current at the time of purchase.** |  |
| * Enter the percentage of paints (by volume) which meet the stipulated 'Total Volatile Organic Compounds (TVOC) Limits'. | Click or tap here to enter text. |
| * Provide a summary outlining the paints used in the project, including the volume, TVOC limit, actual TVOC, and certification. | Click or tap here to enter text. |
| * Enter the percentage of sealants and adhesives (by volume) which meet the stipulated 'Total Volatile Organic Compounds (TVOC) Limits'. | Click or tap here to enter text. |
| * Provide a summary outlining the sealants and adhesives used in the project, including the volume, TVOC limit, actual TVOC, and certification. | Click or tap here to enter text. |
| * Enter the percentage of carpets (by area) which meet the stipulated 'Total Volatile Organic Compounds (TVOC) Limits'. | Click or tap here to enter text. |
| * Provide a summary outlining the carpets used in the project, including the volume, TVOC limit, actual TVOC, and certification. | Click or tap here to enter text. |
| **Products are tested in a laboratory.** |  |
| * Enter the percentage of paints (by volume) which meet the stipulated 'Total Volatile Organic Compounds (TVOC) Limits'. | Click or tap here to enter text. |
| * Provide a summary outlining the paints used in the project, including the volume, TVOC limit, actual TVOC, and testing results. | Click or tap here to enter text. |
| * Enter the percentage of sealants and adhesives (by volume) which meet the stipulated 'Total Volatile Organic Compounds (TVOC) Limits'. | Click or tap here to enter text. |
| * Provide a summary outlining the sealants and adhesives used in the project, including the volume, TVOC limit, actual TVOC, and testing results. | Click or tap here to enter text. |
| * Enter the percentage of carpets (by area) which meet the stipulated 'Total Volatile Organic Compounds (TVOC) Limits'. | Click or tap here to enter text. |
| * Provide a summary outlining the carpets used in the project, including the volume, TVOC limit, actual TVOC, and testing results. | Click or tap here to enter text. |
| **There are no paints, adhesives, sealants, and carpets in the building at practical completion.** |  |
| * Provide evidence that there were no paints, adhesives, sealants, and carpets in the building at practical completion.   Click or tap here to enter text. | |

## Discussion

Narratives will help the Assessors understand how the project complies with the credit. Please include a narrative below, but note that simply listing the credit requirements is not helpful. Instead, outline any other issues that need to be considered by the Assessment Panel.

Click or tap here to enter text.

#### Supporting documentation

Identify where evidence supporting the information provided can be found in the documentation.

|  |  |  |
| --- | --- | --- |
| Document name | Document description | Page number(s) |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |

#### Engineered Wood Products

|  |  |
| --- | --- |
| **There are no new engineered wood products used in the building.** |  |
| * Provide evidence that there were no new engineered wood products used in the building.   Click or tap here to enter text. | |
| **At least 95% (by area) of all engineered wood products meet the specified formaldehyde emission limits.** |  |
| * Provide evidence that product(s) are certified under a recognised Product Certification Scheme.   Click or tap here to enter text. | |
| * Provide evidence of laboratory testing results for the product(s).   Click or tap here to enter text. | |

#### Supporting documentation

Identify where evidence supporting the information provided can be found in the documentation.

## Discussion

Narratives will help the Assessors understand how the project complies with the credit. Please include a narrative below, but note that simply listing the credit requirements is not helpful. Instead, outline any other issues that need to be considered by the Assessment Panel.

Click or tap here to enter text.

#### Supporting documentation

Identify where evidence supporting the information provided can be found in the documentation.

|  |  |  |
| --- | --- | --- |
| Document name | Document description | Page number(s) |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |

#### Banned or Highly Toxic Materials

|  |  |
| --- | --- |
| **A comprehensive hazardous materials survey was carried out on any existing buildings or structures on the project site, in accordance with the relevant Environmental and Work Health and Safety (WHS) legislation.** |  |
| **Outline the survey findings and if any hazardous materials were found in any existing buildings or structures on the projects.**  Click or tap here to enter text. | |
| **Provide evidence that any identified asbestos, lead or PCBs in any existing buildings or structures were stabilised, or removed and disposed of in accordance with best practice guidelines.**  Click or tap here to enter text. | |

## Discussion

Narratives will help the Assessors understand how the project complies with the credit. Please include a narrative below, but note that simply listing the credit requirements is not helpful. Instead, outline any other issues that need to be considered by the Assessment Panel.

Click or tap here to enter text.

#### Supporting documentation

Identify where evidence supporting the information provided can be found in the documentation.

|  |  |  |
| --- | --- | --- |
| Document name | Document description | Page number(s) |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |

### Credit Achievement

#### TVOC and Formaldehyde Levels

|  |  |
| --- | --- |
| **Testing verifies that the TVOC and formaldehyde levels are within the stipulated concentration limits.** |  |
| **Provide a summary of the TVOC concentration levels from the tested areas.**  Click or tap here to enter text. | |
| **Provide a summary of the formaldehyde concentration levels from the tested areas.**  Click or tap here to enter text. | |
| **Samples were collected in regularly occupied spaces on the required number of floors with at least three samples per floor.** |  |
| **Enter the number of floors sampled.** | Click or tap here to enter text. |
| **Demonstrate that testing was conducted in compliance with the requirements and standards.**  Click or tap here to enter text. | |

## Discussion

Narratives will help the Assessors understand how the project complies with the credit. Please include a narrative below, but note that simply listing the credit requirements is not helpful. Instead, outline any other issues that need to be considered by the Assessment Panel.

Click or tap here to enter text.

#### Supporting documentation

Identify where evidence supporting the information provided can be found in the documentation.

|  |  |  |
| --- | --- | --- |
| Document name | Document description | Page number(s) |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |

## Regular Occupied Area

The area of a building(s) relevant to particular credit. The definition of Regularly occupied areas varies across different Green Star tools, and is uniquely defined within particular credits.

#### Primary Space

All areas where a person is expected to work, or remain for an extended period of time, including, but not limited to:

- Offices, either open plan or private;

- Residential lounge rooms and bedrooms;

- Classrooms, laboratories, computer labs;

- Ward rooms, nurse’s stations, clinic rooms;

- Kitchen and preparation areas where food is being sold;

- Retail / sales floor, exhibition halls, galleries (unless exclusion is justified), multi-purpose rooms (as a general setting); and

- Occupied areas within industrial buildings such as manufacturing spaces, shop floors and work stations. Warehouse and distribution spaces are considered primary space only if the majority of the space is an area where people expected work, or remain for an extend period of time.

The predominant use of the space determines the space type classification. Where the functional requirements of the space demand specific ventilation conditions (e.g. laboratories, auditoriums, cinemas, or archives) the exclusion must be justified by the project team in a Technical Question.

#### Secondary Areas

All areas used to support the principal activity of the primary space. These spaces will be regularly occupied, however a single person is unlikely to remain within for more than two hours. Examples of secondary space include:

- Meeting rooms, boardrooms;

- Residential kitchens and bathrooms;

- Auditoriums, gyms, seminar rooms (if not intended for regular classes);

- Waiting rooms, and any diagnostic area where no specific lighting requirements exist;

- Cafeterias, restaurants, seating areas, office breakout areas, food courts

Where the project team is unsure of whether a space is primary or secondary, it is recommended that the project team either submits a Technical Question for confirmation, or classify the space as a primary space.

Corridors that are exclusively used for transit between spaces (i.e. do not act as a foyer, lounge, waiting space, or reception), and are bound on both sides by a wall these are excluded from the nominated area. Where a corridor is part of a shared space, this corridor, or section of a corridor, cannot be excluded and is considered part of the adjacent space.

#### Tertiary Space

All areas which are either transient spaces, or accessed intermittently. Examples of tertiary spaces include:

- Back of house areas;

- Corridors;

- Hallways;

- Plant rooms;

- Storage facilities, storerooms, storehouses, depots or similar;

- Warehouse and distribution spaces if they are unoccupied.

- Service riser

Project teams can choose to submit a Technical Question to have their identification of spaces types in their project confirmed.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Building Space Name and Identifier | Area(m2) | Sum Area(m2) |
| Primary Space |  |  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| Secondary Space |  |  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| Tertiary Space |  |  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

|  |  |
| --- | --- |
| **Total Gross Gloor Area (GFA)** | Click or tap here to enter text. |

**\*If the project team has already populated the project summary GFA in another Submission Template, please paste it here.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Exposure to Toxins** | **Primary, secondary or tertiary** | Occupied Area (m2) | Discussion (If any) |
| Paints, Adhesives, Sealants, and Carpets |  |  |  |
| Engineered Wood Products |  |  |  |
| Banned or Highly Toxic Materials |  |  |  |

**\*For any exclusions to the occupied areas, please submit a TQ to** [**greenstarnz@nzgbc.org.nz**](mailto:greenstarnz@nzgbc.org.nz) **for approval.**

## Declaration

Provide the following details as confirmation that the information provided in this document is truthful and accurate at the time of completion.

|  |  |
| --- | --- |
| **Name** | Click or tap here to enter text. |
| **Position** | Click or tap here to enter text. |
| **Email** | Click or tap here to enter text. |
| **Date** | Click or tap to enter a date. |