

Friday, June 9, 2021

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**Subject: Version 3.1 of the Living Building Challenge Red List**

This letter confirms Hi-Tuff Reinforced TPO Membrane does not contain any chemicals listed on Version 3.1 of the Living Building Challenge Red List. In addition to disclosure we have provided, we certify that we have reviewed our proprietary and undisclosed materials against the 800+ chemicals on the Living Building Challenge 3.1 Red List, and hereby affirm that none of the proprietary or undisclosed ingredients in this product contain any intentionally added chemicals on the Living Building Challenge 3.1 Red List, which include the following chemical families:

- Alkylphenols
- Asbestos
- Bisphenol A (BPA)
- Cadmium
- Chlorinated Polyethylene and Chlorosulfonated Polyethylene
- Chlorobenzenes
- Chlorofluorocarbons (CFCs) and Hydrochlorofluorocarbons (HCFCs)
- Chloroprene (Neoprene)
- Chromium VI
- Chlorinated Polyvinyl Chloride (CPVC)
- Formaldehyde (all types - added)
- Halogenated Flame Retardants (HFRs)
- Lead (added)
- Mercury
- Perfluorinated Compounds (PFCs)
- Phthalates
- Polychlorinated Biphenyls (PCBs)
- Polyvinyl Chloride (PVC)
- Polyvinylidene Chloride (PVDC)
- Short Chain Chlorinated Paraffins
- Wood treatments containing Creosote, Arsenic, or Pentachloroethane
- Specific California-defined Group II toxic exempt solvents (see list below):
  - Methylene chloride (dichloromethane)
  - 1,1,1-trichloroethane (methyl chloroform)
  - Tetrachloroethylene (perchloroethylene)
  - Ethylfluoride (HFC-161)
  - 1,1,1,3,3,3-hexafluoropropane (HFC-236fa)
  - 1,1,2,2,3-pentafluoropropane (HFC-245ca)
  - 1,1,2,3,3-pentafluoropropane (HFC-245ea)
  - 1,1,1,2,3-pentafluoropropane (HFC-245eb)
  - 1,1,1,3,3-pentafluoropropane (HFC-245fa)
  - 1,1,1,2,3,3-hexafluoropropane (HFC-236ea)
  - 1,1,1,3,3-pentafluorobutane (HFC-365mfc)
  - 1 chloro-1-fluoroethane (HCFC-151a)

- Cyclic, branched, or linear, completely methylated siloxanes (VMS), below:
  - Hexamethyldisiloxane (L2)
  - Octamethyltrisiloxane (L3)
  - Decamethyltetrasiloxane (L4)
  - Dodecamethylpentasiloxane (L5)
  - Dodecamethylcyclohexasiloxane (D6)
  - Decamethylcyclopentasiloxane (D5)
  - Octamethylcyclotetrasiloxane (D4)
  - Hexamethylcyclotrisiloxane (D3)

Thank you for your interest in and support of Lexsucu roofing systems and products.  
If we can be of assistance in any way or you have any questions, please do not hesitate to contact us.

Regards



Tom Castonguay  
Technical Field Representative