

## Large Impact Products for Healthier Buildings

1. **Composite Woods:** Specify No Added Formaldehyde (NAF), which is more stringent than No Added Urea Formaldehyde (NAUF).
2. **Resilient Flooring:** Consider bio-based products such as linoleum or rubber. Alternatively, use polished concrete with a carefully selected finish. Newer bio-based polyurethane resilient flooring has certainly hit Declare — check it out!
3. **Carpet:** Nearly 60 Declare labeled carpets and pads are available from a half dozen different manufacturers. Avoid recycled carpet pads (FR) and PVC backing.
4. **Furniture and fabrics:** Avoid topically-applied stain treatments, water repellents and flame retardants. Wool, polyester and fiberglass are inherently flame resistant while wood and nylon are naturally stain resistant and water repellent.
5. **Paints:** Select zero or low VOC paint and coatings that have been tested to conform with CA Department of Public Health (CDPH) 01350 standard.
6. **Solid Surfaces:** Avoid laminated solid surfaces because of formaldehyde, and binding adhesives. Avoid epoxy surfaces unless they can prove that they don't have BPA that can be absorbed via the skin.
7. **Wall Board:** More than a dozen Declare products are available, from three manufacturers.
8. **Ceiling Tiles:** – Over 30 Declare labeled acoustic and non-acoustic products from 8 manufacturers.
9. **Small Electrical Components:** Specify RoHS (Restriction of Hazardous Substances) or post-2014 CE marking certification.
10. **Mechanical fasteners:** Avoid chemical adhesion where possible.

11. **Insulation:** Some types are straightforward (fiberglass). Foam continues to be a challenge because of the blowing agents and the flame retardants. Better options will come, but for now, where possible reduce/eliminate the need for foam and where required, choose a product that is transparent and trying to improve the chemistry.

A. **Fiberglass:** For all types (batt, duct, pipe), choose a no formaldehyde option. If money is tight, concentrate on pipe insulation first as this insulation type contains the most formaldehyde.

B. **Mineral Wool:** Choose a formaldehyde free option – Owens Corning’s Thermafiber FF or Roxul AFB EVO for low density applications (2.8 PCF).

C. **Polyisocyanurate:** There are two Declare labeled board foams – GAF’s EnergyGaurd NH and Carlisle’s SecurShield NH.

D. **XPS Insulation:** Owens Corning’s Foamular XPS has a Health Product Declaration.

E. **Flexible tubes, sheets, and rolls (refrigerant lines):** NH Armaflex by Armacell uses a non-halogenated flame retardant.