

Health and safety

Materials to which descriptions apply:

Special products, furniture panels, flooring, building panels and raw boards

Safety when working with wood materials

When working with wood materials, flooring products and structural elements in general, observe and adhere to the following points for your own protection:

- Wear safety shoes (S1 as a minimum).
- Wear gloves during activities that could result in cutting injuries.
- Use handles, trolleys and lifting gear, particularly when working with heavy panels.
- Wear hearing protection when working with machining equipment.
- Wear protective goggles during cutting work.
- Make sure that transport routes are kept short during order picking work, for example.
- Vacuum up wood dust using appropriate methods.

General information on health

Wood materials from SWISS KRONO are manufactured using state-of-the-art, high-tech processes and machinery plus low-emission adhesives and coatings. Our products are regularly tested and certified by recognised test institutes, assuring end users that they function as they should and do not present any risks to health. It is important to choose the right product for the application and for circumstances in which our products are being processed by intermediaries.

Panel-shaped wood materials

Panel-shaped wood materials are categorised into emission classes according to their formaldehyde equilibrium concentration as demonstrated in a test chamber. The emission classes provide information about the extent to which the materials emit formaldehyde gases. Europe, the USA and Japan have put a range of regulations in place to control this. TSCA Title VI applies nationwide in the USA, restricting formaldehyde emissions for particle board to 0.09 ppm for MDF to 0.11 ppm (> 8 mm) or 0.13 ppm (≤ 8 mm) depending on the board thickness. This is tested using an American test chamber method in each case. Both the test method and the limit values were introduced in the state of California in 2009. In Europe, meanwhile, the E1 limit value of 0.1 ppm is the value that is most widely applied. The formaldehyde equilibrium concentration in our SWISSSPAN ECO and SWISSSPAN P2/P3 CARB products is actually below the E1 limit value. Our ECO products satisfy the requirements of the MINERGIE-ECO® building standard, and even the raw board complies with the ≤ 0.03 ppm specification. This means that it may be used across 50% of room areas. SWISSSPAN P2 ECO, which has a melamine coating, can be used without restrictions (see the Lignum product list).

Flooring

When working with flooring, there are two emissions-related aspects to consider: the material that the flooring is made from and what has been used to secure the flooring (that is, what kind of adhesive). With the exception of lacquered surfaces, all SWISS KRONO AG flooring products are CARB-certified, which means that they do not present any risks to health.

Please note: This document is based on the latest developments in technology and has been compiled with due care. To the best of our knowledge, the information it contains is accurate. However, we cannot assume any liability for mistakes or printing errors. Technical changes made be required as our products develop and amendments are made to standards and legislation.