

iCork Floor

Cork & Design Cork Flooring Indoor Air Quality & Technical Performance Summary

Purpose of This Summary

This iCork Floor technical summary consolidates selected indoor-air-quality, material, thermal and acoustic information from manufacturer environmental documentation and independent laboratory testing. It is not an original laboratory report and does not replace the underlying certificates, declarations or test reports. Supporting documentation for a specific product may be available upon request.

Indoor Air Quality & Emissions

GREENGUARD Gold Certified

Swiss-made Cork and Design Cork flooring is GREENGUARD Gold Certified. This certification is an important reference for projects where low chemical emissions and indoor air quality are priorities.

Documented item	Reported / documented information
Formaldehyde	< 60 micrograms/m3
ECHA Candidate List SVHC	No referenced substances above 0.1% by mass
Product construction (11 mm floating assembly)	Cork ply / HDF core / cork sound underlay

Important: iCork Floor does not describe natural or wood-based flooring as having absolutely zero formaldehyde or zero emissions. Measured emissions, recognized certification and product-specific documentation are more meaningful than absolute marketing claims.

Selected Product Performance

Characteristic	Documented value / classification
Total thickness	11 mm
Use / abrasion classification	Class 33
Reaction to fire	Cfl-s1
Thermal resistance	0.108 m2 K/W
Slip resistance	R10

Acoustic Performance

Independent laboratory testing on a specific cork/HDF/cork-underlay flooring assembly reported an **impact sound improvement of 20 dB (Delta Lw)** under the stated ISO test method.

Test item	Result
Impact sound improvement	Delta Lw = 20 dB
Slip resistance in the same tested assembly	R10

The 20 dB result belongs to the particular flooring assembly and laboratory conditions tested. Acoustic performance in a completed building depends on the full floor/ceiling assembly, subfloor, underlayment, installation method and surrounding construction.

Why These Characteristics Matter

Indoor air quality

GREENGUARD Gold certification and documented emissions information help customers evaluate flooring for projects where indoor environmental quality is important.

Natural comfort

Cork has a resilient cellular structure that provides a warmer, more comfortable feel underfoot than many dense hard surfaces.

Thermal performance

Documented thermal resistance supports cork flooring's reputation for a naturally warm underfoot feel.

Acoustic benefit

Cork layers can contribute to reduction of impact noise; performance depends on the complete tested or installed assembly.

Floating installation

Click-lock floating flooring can reduce the need for full-spread, site-applied flooring adhesive when the project and subfloor are suitable for floating installation.

For Chemically Sensitive Customers

Chemical sensitivity varies from person to person. No flooring material can be guaranteed to cause no reaction in every individual. Customers with known sensitivities should review the documentation applicable to the specific flooring and evaluate a physical sample in their own environment before placing a full order.

Recommended approach: review certification and technical documentation, request a sample, allow sufficient time for personal evaluation, and consider the entire installation system - including subfloor, moisture control, underlayment, adhesives (if any), finishes and maintenance products.

Documentation Notes

This document is an iCork Floor summary prepared from supporting technical documentation. Values shown may relate to specific products or tested assemblies and should not be generalized beyond their documented scope. Product specifications may change. Confirm current product-specific requirements before specification or installation. Original third-party documentation may be provided upon request where appropriate.

iCork Floor

Natural Cork & Design Cork Flooring
Technical information available upon request