

AMCORK

PRODUCT SPECIFICATIONS

PARQUET CORK FLOOR TILES

GLUE-IN-PLACE FLOOR TILES

PRODUCT NAME

AmCork Parquet Cork Floor Tile

APPLICATIONS

Commercial and residential flooring, suitable for new construction and replacement installations. Recommendations include healthcare facilities, retail, museums, hospitals, food service and office environments. Appropriate for all residential applications.

INSTALLATION

AmCork Cork Parquet Tile flooring may be installed directly on any level concrete substrate or directly over most previously installed floors, except carpeting or some surfaces of ceramic tile.

SIZE

12" x 12" x 3/16"

DENSITY

31 lbs./ft³ ISO 7322 (Metric : EN 672: >500k/m³)

FINISH

UV-cured acrylic, no organic solvents or volatile organic compounds.
See specifications.

COLORS & PATTERNS

High resolution images available at www.amcork.com

FLOATING CORK FLOOR PLANKS

TONGUE & GROOVE INTERLOCKING CORK PLANKS WITH BUILT-IN CORK UNDERLAYMENT

PRODUCT NAME

AmCork Floating Cork Floor Plank

APPLICATIONS

Commercial and residential flooring, suitable for new construction and replacement installations. Applications include most environmentally sensitive areas, healthcare facilities, food service, exercise flooring, retail, museum, hospitality, static sensitive, all office and residential installations.

INSTALLATION

AmCork Cork Parquet Tile Flooring may be installed directly on ant level concrete substrate or directly over most previously installed floors, except carpeting or some surfaces of ceramic tile.

SIZE

12" x 36" x 7/16"

DENSITY

Surface: 3mm composite cork wear layer

28lbs./f³ density ISO 7322 (Metric: EN 672: 450 Kg/m³)

Locking element: 6mm industry standard mdf tongue-and-groove

45 lbs./f³ density (Metric: 850 Kg/m³)

Underlayment: 2mm flexible, sound-absorbent cork underlayment

13 lbs./f³ density ISO 7322 (Metric: EN 672: 200 Kg/m³)

FINISH

UV-cured acrylic, no organic solvents or volatile organic compounds.
See specifications.

COLOR & PATTERNS

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TECHNICAL SPECIFICATIONS

AmCork flooring products are made from the bark of cork oak trees. Only the bark is harvested, trees are never felled. Harvesting the bark once a decade actually prolongs the life of the cork oak, which can exceed a century. In addition to this entirely natural substance, there are other components in all cork flooring products. AmCork elects to fully disclose the comprehensive specifications for the binders, glues, pigmentation and varnish used in its own products, including toxicology data. AmCork products are remanufactured to critical specifications for food service and healthcare applications.

BINDER

TDI based polyurethane agglomerative resin developed for manufacturing agglomerated cork blocks using high-frequency curing. Quantity is 5% to 7% of the granulated cork mass to agglomerate. This binder is formaldehyde-free and no emissions are to be expected from the finished product. The components of this prepolymer are included in the list of positive substances and authorized raw materials for the production of agglomerates that can come into contact with food, according to EEC and FDA legislation.

BINDER SPECIFICATIONS

Type of polymer: Polyurethane

Viscosity @ 20° C: 2000 ± 500 mPa.s.

Density: 1.05

Solid content: 99%

NCO groups: 3.6 ± 0.25%

BINDER TOXICOLOGY

This product, after complete reaction with cork on a high-frequency oven, changes itself into a completely inert polymer with no toxicity. The global migration, the TDI specific migration, sensorial and taste analysis show that this product becomes a toxicity-free polymer, being suitable for food contact applications.

GLUE

The glue for the cork veneer is a solvent-free composition based on an aqueous copolymer emulsion of synthetic resins. It is applied with a roller coating machine on the back of the cork veneer. Gluing is achieved by applying pressure to the veneer against the cork agglomerated backing on a hot plate press. This product provides a flexible adhesive film with high cohesion, thermal stability and bond strength after drying.

GLUE SPECIFICATIONS

Base: Synthetic resins

Viscosity: 25 P (Brookfield RVT 3.10.25°C)

Density: 1.32 (20°C - DIN 53217)

PIGMENTATION

Ink-based nitro-cellulose with pigment (titanium dioxide) in a blend of alcohol-based solvents. Applied with a roller coating machine and dried in a hot tunnel. After evaporation of the solvent, the resulting film has resistance to oils, greases and water. When dried, this product is odor-free and gives high opacity and color intensity. This product is free of formaldehyde and phenols.

PIMENTATION SPECIFICATIONS

Base: Nitro-cellulose

Viscosity @ 20°C: 20 seconds (cup a DIN 53211)

Density (20°C): 1.02 DIN 53217

Solid content: 30%

VARNISH

Acrylic UV-cured varnish (gloss or matte) developed for sealing cork floor tiles. Applied on reverse with a roller machine and dried in a U V tunnel at 10m /min with two 80 W/cm lamps. Normally applied in three layers. The varnish exhibits good flexibility and high wear resistance, as well as resistance to the usual solvents, detergents and chemical solutions.

VARNISH SPECIFICATIONS

Base: Acrylic-urethane resins

Viscosity @ 20°C: Gloss: 25 Poise

Matte: 5 Poise

Density: 1.1g/cm³

Solid content: 100%

Wear resistance: 3mg/100 cycles (Taber CS-17 with 2.2 lb. load)

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PRODUCT TESTING

STANDARD TEST RESULTS AMCORK FLOORING *

DIMENSIONAL STABILITY

ISO 9366, ISO 7322

Deviation from square along length and width: Less than .02 inch Metric <0.5 mm (EN427)

Deviation from thickness: .001 inch Metric <0.25 mm (EN 428)

INDENTATION

ISO 9727

Residual indentation: less than .01 inch Metric <0.3mm (EN 433)

Indentation recovery: 38.5 lbs/in² load 10% initially: 1.5% after 1 hour

SLIP RESISTANCE

Meets and/or exceeds Federal Standard ADA 0.6 flat surfaces (DIN 51130)

ABRASION RESISTANCE

Abraded area no greater than 3.6 mg/100 ciclos

THERMAL RESISTANCE

ISO 8301

Conductivity coefficient 0425-06 W/m^{°K} (DIN 52612)

FIRE RESISTANCE

ASTM E 658-94A

This tile is a fire inhibitor which neither spreads flame nor releases toxic gases during combustion. Class B2. Classification CSTB = M3. (DIN 4102)

FLAMMABILITY

Hardwood, Plywood, Veneer Association Average critical radiant flux 0.60 w/cm²

SMOKE DENSITY

ASTM E 662, NFPA 258

Specific Optical Density Flaming: 148

Specific Optical Density Non Flaming: 272

WATER VAPOR

ASTM E 96

Transmission: 0.128 grains/h ft²

Permanence: 0.183 perms

SOUND REDUCTION – IMPACT

ASTM E 413-87, ASTM E 989-89

AmCork Parquet Tile 3/16" thickness = 12db (DIN52210) STC 58; II C 73

AmCork Floating Floor Planks 7/16' thickness = 12 db

(Acoustical ratings measured in situ; 8' concrete slab, suspended ceiling.)

* Results refer to AmCork Parquet tile flooring and surface layer of AmCork Floating Floor Planks except as noted. In instances where separate tests have not been completed for Floating Floor Planks, some data will differ: for example, thermal resistance and vapor transmission figures will be significantly better.