



# cork.

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Other Applications



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## CORK - OTHER APPLICATIONS

Cork applications have been growing since the end of the twentieth century, particularly in innovative areas such as Design for Sustainability, Eco-Design and Fashion. New generations of artists are increasingly seeking to create everyday objects - tableware, articles for the kitchen, leisure, furniture - from one hundred percent natural materials that contribute to environmental sustainability. Designers and stylists have also fallen in love with this material which has been used in sports, fashion, architecture and even in art, and are trying to find new ways to apply the cork and make the most of its advantages. Cork has also emerged as a differentiating factor in areas such as transport, where the replacement of existing materials for cork allows efficiency gains at the technical level.

### CORK – ONE THOUSAND AND ONE APPLICATIONS

#### **Cork fabric and paper**

Very thin sheets of natural or agglomerated cork (usually with a thickness of 50-500mm) glued to fabric, textiles or paper. This application highlights the texture and veins of cork which can be detected by touch. They are produced in various patterns and used in accessories, namely leather goods, fashion and clothing.

#### **Cork wool**

Cork wool can be used in certain types of packaging, but also as a filler for mattresses, pillows or divans. Its properties are remarkable: non-toxic, capacity for compression and recovery, durability, lightness, impermeability and insulation. It is noted for its ability to cure certain sleep disorders, and can be combined with a range of aromas for medicinal purposes.

#### **Cork dust**

A by-product of cork processing, it can be used to produce a range of chemical compounds for various purposes and applications, specifically for medical purposes or energy-saving measures.

#### **Cork yarn**

Cork yarn has motivated several studies, namely with the textile industry, and can already be found in different thicknesses and in various colours for different uses.

#### **Corksorb**

Corksorb products are able to absorb oils and organic solvents without absorbing water. They float even when saturated and can be used to deal with all kinds of spills and leaks. The products are suitable for absorption of flammable materials. They are available in the following forms: cork granules, tube-shaped barriers, cushions and cleaning buoys.

#### **Motor Vehicle and Aeronautical Industry**

Although cork is already used in the motor vehicle industry in gaskets (cylinder head, gear box, etc.) and on the floors of public transport vehicles, other applications of cork products in the passenger compartment have been under study. These studies include appliqués, handbrake and gear lever grips, the covering of the steering wheel and dashboard, etc. Two examples of this use are the prototype model F700 of Mercedes Benz and the interior of the aircraft developed by Embraer in the LIFE project - Lighter, Integrated, Friendly and Eco-efficient.

## EXAMPLES OF OTHER APPLICATIONS IN CORK

Besides the member companies of APCOR that play an important role in the production of new and diverse applications for cork, and which may be consulted at <http://apcor.pt/directorio-empresa.htm#>, we proceed to identify other examples originating from a huge range of professional quarters:

### Furniture

- Daniel Michalik – furniture designer, cork in chairs and stools - [www.danielmichalik.com](http://www.danielmichalik.com);
- Aya Koike – Japanese designer who created a cork sofa: Sofa Brick - [www.ayakoike.com/](http://www.ayakoike.com/) ;
- Portuguese Designers - Ana Mestre (Puf Fup, Lagarta – stools -, Puf String, Black Flower, Beja, One Sixty Four and Moorish Mosaic - tables), Miguel Arruda (cork bookcase), Pedro Silva Dias (Corque chair), Toni Grilo (Vincio chair), of the Corque project - <http://corquedesign.com/>;
- Simple Forms, Alzira Peixoto and Carlos Mendonça, and the cork collection, with cork wash basins, <http://www.simpleformsdesign.com/cork/wash-basin.html>;
- Fenabel and Eco Hotel chairs with cork fabric - <http://fenabel.com/mini/pt-pt/produtos/cadeiras/new-eco-hotel-collection/>;
- Around the tree and the Portuguese Roots chair - <http://aroundthetree.eu/>;
- PLY&co and the new line of eco furniture of Peel Living Projects - <http://www.peel.com.pt/ply-co/>;
- Cork Objects by Jorge Luís and Alexandre R. of Bleach Design - <http://www.bleach.pt/>;
- Black Cork, portuguese brand signed by the designer Toni Grilo and other creatives, that work e puré expanded cork, creating furniture and design pieces - <http://blackcork.pt>;
- DAM is about design, craft and furniture. It's about products made of cork that tell stories about culture and memories, such as: Pipo, Flora, Dora and Dina - <http://dam.pt>;
- Botaca has conceptualized the couch “algodão doce em cortiça”, whose structure is made in this material - <http://www.botaca.com/botaca/exposicao/attachment/algodao-doce-em-cortiça/>.

### Fashion

- Christian Louboutin and “Catenin”, “Une Plume”, “Monico” and “Miss Cristo” sandals – <http://intheircloset.com/christian-louboutin-miss-cristo-cork-platform-wedges> e <http://intheircloset.com/christian-louboutin-very-prive-cork-platform-pumps> ;
- Dolce & Gabana and footwear <http://www.essence.com/galleries/cork-heels-lighten-your-step-spring/dolce-gabbana>
- Steiger and shoes; <https://www.therealreal.com/products/women/shoes/sandals/walter-steiger-cork-pumps>
- Christian Dior and handbags, accessories and footwear - <http://intheircloset.com/christian-dior-antica-suede-stitched-cork-platform-wedges> and <http://harrislove.com/christian-louboutin-riviera-patent-leather-cork-clutch-bag-p-2379.html> ;
- Stella McCartney and sandals - <http://intheircloset.com/stella-mccartney-maia-cork-platform-wedges> and <http://photos.essence.com/galleries/cork-heels-lighten-your-step-spring/?slide=35254> ;
- Miu Miu and footwear- <http://photos.essence.com/galleries/cork-heels-lighten-your-step-spring/?slide=35260>
- Donna Karan and footwear - <http://photos.essence.com/galleries/cork-heels-lighten-your-step-spring/?slide=35265>
- Giuseppe Zanotti and footwear - <http://intheircloset.com/giuseppe-zanotti-suede-ankle-strap-pumps> and <http://intheircloset.com/giuseppe-zanotti-la-rocque-jewelled-wedges> ;
- Chloé and footwear - <http://intheircloset.com/chloe-cork-platform-gladiator-sandals> and <http://intheircloset.com/chloe-glove-cork-wedges> .
- Ruthie Davis and footwear - <http://ruthie-davis.fashionstylist.com/ruthie-davis-avatar-pump-12.html> and [http://www.ruthiedavis.com/collection\\_shoesS13.html](http://www.ruthiedavis.com/collection_shoesS13.html)
- Valentino Rockstud Leather and Cork Wedges <http://intheircloset.com/valentino-rockstud-cage-cork-wedge-sandals> ;

- Yves Saint Laurent and footwear - <http://intheircloset.com/yves-saint-laurent-deauville-canvas-wedge-sandals>
- Rupert Sanderson and footwear [http://www.shoewawa.com/2013/03/mary\\_jane\\_monda\\_195.html](http://www.shoewawa.com/2013/03/mary_jane_monda_195.html);
- Jimmy Choo and footwear - <http://www.jimmychoo.com/en/restofworld/wedges/icat/wedgesrw>;
- Givenchy by Riccardo Tisci and footwear - [http://www.shoewawa.com/2012/10/givenchy\\_glitter\\_biker\\_sandal.html](http://www.shoewawa.com/2012/10/givenchy_glitter_biker_sandal.html) ;
- Fendi and footwear - <http://photos.essence.com/galleries/cork-heels-lighten-your-step-spring/?slide=35258> ;
- Prada and footwear - <http://photos.essence.com/galleries/cork-heels-lighten-your-step-spring/?slide=35257>;
- Rutz and footwear - <http://www.rutz.pt/>;
- Birkenstock - <http://www.birkenstock.com/>;
- 2nd Skin Cork Jewellery by students of the Higher School of Art and Design of Matosinhos, Portugal, [www.esad.pt/2ndskin/index.php?area=intro](http://www.esad.pt/2ndskin/index.php?area=intro);
- Michelle Lowe-Holder and the Elisabeth Collection Cuff collection - <http://www.lowe-holder.com/collection>;
- Luís Buchinho and the “Butterfly” bag; <http://www.neei.uevora.pt/~nunocroino/largmind/?cat=15>
- Lena Hasibether and cork clothing and accessories - <http://lenahasibether.de/collection/aw-11/>;
- ‘Doors of Perception’ – cork clothing and accessories by Suzaan Heyns - <http://www.suzaanheyns.com/>;
- Espadrilles from Paes, [http://economico.sapo.pt/noticias/paez-tambem-e-sandalia\\_247184.html](http://economico.sapo.pt/noticias/paez-tambem-e-sandalia_247184.html) and Rutz, <http://www.verportugal.net/vp/pt/032016/ModaDesign/3671/Rutz-alpargatas-de-corti%C3%A7a-apresentadas-no-aeroporto-da-Portela.htm>;
- Cork shoes from Profession Boutier - <https://www.dinheirovivo.pt/empresas/profession-bottier-apresenta-colecao-com-cortica-em-milao/>.

### Decoration

- The "Design Cork for future, innovation and sustainability" project presented 37 original pieces by designers of various countries- [www.designcork.com](http://www.designcork.com);
- Rolha (Fernando Brízio), Vine (Ana Mestre) and Topography (Luís Pessanha), of the Corque project - <http://corquedesign.com/>;
- Alma Gémea - <http://www.alma-gemea.net/>;
- Materia - <http://www.materia.amorim.com/>; Examples: Topsy - Keiji Takeuch, <http://www.amorim.com/media/noticias/TIPSY-de-Keiji-Takeuchi-integra-colecao-MATERIA-da-Corticeira-Amorim/1507/>
- Corby (jar) and Cocoon (lamp) by Alexandre R of Bleach Design - <http://www.bleach.pt/>;
- Various products at <http://www.corkway.com/>.

### Art

- Cork Dome and David Nash;
- Diorama Cork Factory, of Vhils (Alexandre Farto);
- Quiet Motion, of the Bouroucellec brothers;
- Trafaria Praia Ferry Boat by Joana Vasconcelos, at the Venice Biennale 2013.

### Transport

- NASA and cork applications on the Apollo, Ariane and Space Shuttle vessels;
- Dyn’ Aero Ibérica and the ultralight Aecork aeroplane;
- Mercedes-Benz and the new F700 prototype with cork interiors;
- Siemens latest generation metro train – Inspiro, on display in Warsaw, Poland, with cork floor.
- Cork floor Alfa Pendular trains, AluCORK and Amorim Cork Composites

### Sport

- Cork football and football boots by DynCork;
- Surfboards by Ahua;
- Kayaks by Nelo Mar Kayaks - [www.mar-kayaks.pt/pt/](http://www.mar-kayaks.pt/pt/);
- Celsius and White Banana and the ecological surfboard;
- Cork on the pitches of Domo Sports;
- Puma trainers, <http://hypebeast.com/2013/12/puma-2014-disc-cage-leather-lux-opt-2> and Nike trainers, model of the LeBron X collection, <http://nikeinc.com/news/lebron-x-nike-sportswear-honors-the-champ#/inline/14891>;
- Authentic is the cork model created by Vans, that has chosen cork to cover totally or partially the shoes, wherein the outsole remains white - [http://www.vogue.pt/moda/shopping/detalhe/vans\\_cork](http://www.vogue.pt/moda/shopping/detalhe/vans_cork);
- McNamara has a cork surf board to tackle the waves, developed by Mercedes-Benz Portugal in partnership with Corticeira Amorim - [http://desporto.sapo.pt/mais\\_modalidades/artigo/2015/11/12/garrett-mcnamara-desafia-a-nazare-com-pranchas-de-cortica](http://desporto.sapo.pt/mais_modalidades/artigo/2015/11/12/garrett-mcnamara-desafia-a-nazare-com-pranchas-de-cortica);
- The Cork Tree is the only brand that manufactures accessories for golf in cork - <http://www.thecorktree.net/>.
- Padel racket, by Corkpadel, <https://www.facebook.com/corkpadel/>

### Other applications

- Rosários 4 and cork thread for knitting - <http://www.rosarios4.com/>;
- Griffin Elan Form and cork Iphone and Ipod cases;
- Ipad cover by 3DCork;
- Catdrums and cork drums;
- Klimm SRL and cork make-up;
- Barefooter, shoe without stitching made from a single piece of cork and silicon;
- Sauna Lusa, wall covering by José Carlos Tinoco;
- Wall Cork, cork wallpaper by Sofia Dias, Corque project - <http://corquedesign.com/>.
- Cosmetic products by Birkenstock <https://www.birkenstock.com/gb/cosmetics/>;
- Toys by ElouCork Toys, <http://www.eloucork.com> ;
- Yoghurt maker by YogurtNest, <https://yogurtnest.com> ;
- Cork Rugs by SugoCorkRugs, <https://sugocorkrugs.com/> .