

OVERVIEW

Q: What is Durat?

A: Durat is a polyester resin based solid surface material. The binding material is polyester resin, a main ingredient in all solid surfaces, some other chemicals are also included to complete the chemical reactions and to enhance the materials physical properties.

Available in sheets, tubs and sinks, and custom works, Durat is an innovative design material that is available in over 80 vibrant colors. Durat lends itself to design creativity and long-term performance while offering the highest sustainability profile in the industry.

Q: What makes Durat Green/Sustainable?

A: Durat collects tens of tons of post-industrial plastic waste annually from Sweden and Finland that would normally end up in landfills. This practice reduces the need to extract and manufacture new raw materials and decreases the stress on the environment by reducing waste. The handling and transportation of the recycled material is fully the responsibility of Durat.

Durat solid surface contains 30% recycled material. The recycled pre-consumer plastic waste is granulated into small speckles, clearly visible on the surface of the product and it gives Durat its texture. Durat has the highest recycled content in the the solid surface industry.

Durat is 100% recyclable. All waste generated in the manufacturing process can be reused in production and we are able to offer our clients the possibility to reclaim the material.

The long lasting quality and reparability also make Durat a more sustainable product.

Q: Is Durat a new material?

A: No. Durat has been a trusted brand and proven material for over 20 years. The company was established in 1990 to develop a new sustainable material, which would combine recycling and design. Durat is one of the oldest manufacturers of solid surface materials in Europe.

Q: Where is Durat manufactured?

A: Durat's original manufacturing facility is in southwestern Finland near Turku. In November 2007 Durat launched a joint venture in Ganzhou, China with the opening of new, state-of-the-art manufacturing facility. The capacity of the new factory will serve the growing demand in the Asian and other markets.

PERFORMANCE

Q: Is Durat stain-resistant?

A: Yes. Durat is nonporous, stains can not penetrate the surface, so it's easy to clean and maintain. Unlike natural stone, Durat never requires sealing.

Q: Is Durat heat-resistant?

A: Although Durat solid surface is resistant to heat, all solid surfaces expand and contract under extreme temperature changes. Durat remains stable and undamaged in temperatures over 100°C (212°F), high heat or flame will scare the surface. Putting a hot pan directly on the surface may cause cracking of the surface;

scorching may also occur. In most cases, damage can be repaired. We recommend using a hot pad or trivet.

Q: Is Durat a hygienic surface?

A: Yes. The possibility to make seamless, practically invisible joints and the easy cleaning, non-staining quality of Durat makes it a very hygienic surface. Seams in stone or laminate surfaces gather dirt easily and visibly.

Q: Is Durat UV resistant?

A: Yes. Durat can be used outside, exposed to direct sun light, with certain limitations. After several years of exposure to direct and extremely powerful sunlight, some discoloration might occur in light colours, such as the whites. If discolouring has taken place, most of the colour difference will disappear by sanding the surface.

Q: Can Durat be repaired?

A: Yes. Scratches can be easily repaired by light sanding. The normal finish of Durat tops is sanded with fine 400-grid sandpaper, for a more glossy appearance the surface can be sanded with very fine papers, grained up to 1000. Small cracks and chips can be quite easily filled and repaired using Durat glue mixed with granulates to make the adhesive look like Durat.

Q: Can one cut directly on Durat surface?

A: Although Durat solid surface is very durable, cutting directly on the surface is not recommended. It still can be scratched, especially when professional, very sharp knives are used. Always use a regular cutting board. Alternatively Durat can be used to create a hygienic cutting board.

Q: How should Durat be cleaned?

A: Durat can be cleaned with ordinary household detergents. A rough sponge, such as ScotchBrite, is often a handy tool. The more one scrubs the Durat surface the shinier and easier it becomes to clean. Hence polishing Durat makes the surface better.

Q: Are there advantages of Durat solid surface, compared with natural stone worktops or laminated tops?

A: Unlike natural stone and laminate, Durat is nonporous, hygienic, homogeneous in appearance, and can be easily renewed and repaired. Durat never feels cold and unpleasant; it has a silky and warm finish.

APPLICATIONS

Q: Where can one use Durat solid surface material?

A: Durat is an ideal material for various types of surfaces in both public and private sector. Durat custom surfaces as well as the items from Durat design collection can be used in hotels, restaurants, bars, airports, schools, health care facilities, retail shops and other commercial as well as residential projects. Together with the ability to bind the surface seamlessly this makes Durat a very versatile material that can be used in many ways and in different circumstances

Q: Can Durat be used in the hospitals or drug stores?

A: Yes. Durat is a non porous and seamless bonded material, therefore it is very hygienic. Tops and sinks are a homogeneous unit; they look like built of one piece. They are easy to keep clean without any chance of bacteria penetrating the surface. This quality also makes Durat a perfect material for both public and private kitchens.

Q: Can Durat solid surface be used for flooring?

A: Solid Surfaces are not developed for flooring. This use could only be done at the customer's own risk.

SPECIFICATION

Q: How does one specify Durat products?

A: Durat is available in three products categories:

- Sheets
- Sinks and Tubs
- Design collection and custom products

Sheets are 31.5" x 114" x .47". It is possible to make seamless, practically invisible joints so large virtually seamless surfaces are very possible.

Durat Design Collection includes standard items such as bath tubs, vanities, sinks, and shower trays. Refer to the Design Collection document for detailed measurements and specification information.

Durat offers the possibility of custom products which includes custom sinks, baths and colors. This uniquely flexible service sets Durat apart from the other solid surface manufacturers.

COLOR

Q: What is unique about Durat colors?

A: One of the qualities that make Durat unique in the solid surface market is the colour range. It has been recognized by architects and designers as vivid and refreshing. The fresh approach is in stark contrast to the other solid surfaces, which are generally all very much alike and often try to mimic the appearance of stone or marble surfaces.

Q: Do colors vary between batches?

A: As with most products, certain variables are not in total control. Therefore colours can vary slightly between different casting sets. The difference is usually undetectable. More than 2 year old colour samples should be used as a reference only with caution as the specific colour recipe might have changed slightly.

Q: What does the color coding mean?

A: Colours are coded with a three digit number with the last number representing the color of the speckles in the mix:

- 0 – basic colour with clear speckles
- 1 - with black speckles (plus)
- 2 – few larger multi-coloured speckles (multi)
- 3 – with white speckles (plus)
- 8 – multiple multi-coloured speckles

Q: Are all products available in all colors?

A: YES! All products are available in all colors.

Q: Are custom colors possible?

A: Yes. When requesting custom colors, RAL and NCS colour charts are the preferred reference. The cost of tinting a custom colour varies between \$300-500.

FABRICATION

Q: Who can fabricate and install Durat?

A: Durat can be worked with ordinary woodworking tools. However, it is important to work with a fabricator that is experienced and skilled with solid surface material. The quality of fabrication determines the quality of the final product. We strongly recommend fabricators that have been certified by a reputable organizations such as ISFA or similar solid surface certification programs.

Durat can provide training to fabricators either in the factory in Finland, China, or at the client's premises. The training to become an authorized fabricator takes two to three days for a skilled carpenter. Experienced solid surface fabricators can be briefed about Durat with a presentation of couple hours.

Q: Is Durat thermoformable?

A: Curving Durat to form curved down stands and other special features can be done down to a radius of 1000 mm. The curving is done by thermoforming, heating the sheet in an oven and forcing it to the desired shape. Tighter curves, with radius < 1000 mm, can with certain limitations, be made by standard fabrication techniques.

Q: How is Durat finished?

A: Durat is finished with grid 400 sandpaper. If needed the surface can be sanded with finer sandpaper, grit up to 1000 to create a more polished surface finish. Furniture oil can be applied on the surface to create a protective layer.

For more information on fabrication, please refer to the Durat Fabrication Manual

For any additional questions please contact Ryan Bloom at: ryan@ceramiinc.com

