



HAVANI |

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Characteristics & Maintenance

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Materials, characteristics & maintenance

MARBLE

Marble is not a scientific word, the name originates from the ancient Greek verb “marmairo”, meaning “To Shine”. In reality, marble is a hard crystalline metamorphic form of limestone.

HAVANI's MARBLE methodology:

- **Old but strong**
Only hard marbles are selected at HAVANI because their structure offers greater compactness and fewer porosity, making them more suitable for furniture tops and kitchen worktops. These are rocks that are approximately over 200 million years old.
- **White & beige**
We avoid dark marbles for indoor use because the rock's inside colour often differs from the surface colour in terms of darkness, making scratches immediately visible as well as lime attack stains that transform into a lighter colour than the surface. Dark marbles are good to look at but not to 'work' on.
- **Zero polished**
We don't recommend polished surfaces on marble tabletops or kitchen worktops because one, the polish will fade. Two, the product to impregnate the rock that must protect it cannot enter the pores fluently and three, marble already shines and will gain more 'satin gloss' over time due to the patination effect. Polished marbles are good to look at but not to 'work' on.
- **Feel-me texture**
Havani also offers unique 'slightly textured' surface finishes, making our white and beige marbles even more usable because scratches and lime attacks become as good as invisible. A unique feel-me texture also adds a very stylish character to the design and an increased urge to touch it.
- **Nanotech**
Recent implemented nanotechnology in impregnation products now better protect marble of discolouring due to the exposure of acids. Products were already water and fat repellent in the past but colourful stains due to lime attacks were more likely to occur before.

- **Patination**

After some time, a beautiful 'satin gloss' will appear on the honed surface from usage, comparable to that of a used natural parquet floor. Even small dull spots from lime attacks that weren't cleaned in time, that became visible in the flood light on a honed finish, will become invisible over time from daily usage.

Indoor usage only

MAINTENANCE:

Our marbles are impregnated / treated with the professional Lithofin Nanotop product. We recommend using Lithofin Easy-Clean to clean and maintain your Havani marble top.

GRANITE

Quarried on all continents and transported over the seven seas, granite is regarded as a symbol of strength and durability for centuries.

Granite is an igneous natural rock (derived from the Latin word "ignis", meaning fire) that is formed through the cooling and solidification of magma deep under the earth's crust. Granite is a very strong natural stone and is scratch and stain resistant in all finishes, including polished.

Indoor and outdoor usage.

MAINTENANCE:

Our granites are impregnated / treated with the professional Lithofin Nanotop product. We recommend using Lithofin Easy-Clean to clean and maintain your Havani granite top.

QUARTZITE

A natural stone mainly existing of the mineral Quartz. Because of the hardness of quartzite and the relatively low erosion-sensitivity, layers of quartzite can shape competent ledges in the earth's landscape. Although there are many different types of quartzites, Havani only selects appropriate quartzites for both usability and durability purposes. These quartzites are very strong and have a very high scratch and stain resistancy in all finishes, including polished.

Indoor usage only.

MAINTENANCE:

Our quartzites are impregnated / treated with the professional Lithofin Nanotop product. We recommend using Lithofin Easy-Clean to clean and maintain your Havani quartzite top.

HARDWOOD

Hardwood shows annual growth rings and other appealing grain markings. Hardwood has a more complex structure than softwood and often grows much slower. Hardwoods are more resistant to insect and fungal attacks.

European Oak (Quercus Robur) is a temperate wood that grows taller than the average American Oak species and is often used for specialty longer length planks. Both species are known as 'White Oaks' and are durable and strong, with a longstanding reputation of longevity. We chose to use European Oak because it has a more wavy and interesting grain pattern and a gorgeous naturally rich golden honey hue.

Indoor usage only.

MAINTENANCE:

Regularly and immediately clean after usage with a wet towel, preventing fluids from entering the pores. Do not use aggressive products, our partners process the slabs with a health proof, maximum protection treatment.

SINTERED STONE

Sintered stone is not an actual stone but it is so hard that it outperforms almost anything. It exists of minerals and particles that became subject to extreme heat and pressure, permanently bonding the material together without the need of resins or bonding agents. It's considered to be scratchfree from other materials in all but polished finishes, with a few exceptions such as diamonds or ceramic knives. Even with unique textures, the designs are sort of 'printed' on the surface, therefore often won't show the same colours and patterns inside of the mass.

Indoor and outdoor usage.

MAINTENANCE:

Clean daily if necessary. can be washed with warm water to which a detergent can be added. Rinse with warm water and dry with a cloth or similar. Avoid products containing hydrofluoric acid and its derivatives.

ENGINEERED QUARTZ

A composite material made of crushed quartz bound together by an adhesive. A mixture of approximately 93% stone is heated and compressed under vacuum in a large press where vibrations help to compact the mixture, resulting in an isotropic slab with virtually no porosity. Engineered Quartz is very strong and scratch and stain resistant in all finishes, including polished.

Indoor usage only.

MAINTENANCE:

Clean with water or non-aggressive products. Avoid using cleaning agents containing hydrochloric acid, phosphoric acid, sodium hydroxide and hydrogen peroxide.

STAINLESS STEEL PEARL BLASTED

Stainless steels are most notable for their corrosion resistance because of their chromium content by mass. Stainless steel is an ideal material for our applications where both strength and corrosion resistance are required. When pearl blasted, it looks light to dark grey.

Outdoor usage only. We use stainless steel 304 as standard. Stainless steel 316 is available on request.

MAINTENANCE:

Use a sponge and water, or a multicleaner – common kitchen cleaning product, no aggressive product, to remove stains, fingerprints or dirt. You can use a soft cloth, microfibre cloth, or soft brush as well but do not rub too hard or too long.

POWDER COATED STAINLESS STEEL

Powder-coating is a technique where dry powdered paint is electrostatically charged and sprayed onto the object to then melt in an oven and coalesce into a continuous film that covers the object. Stainless steels are most notable for their corrosion resistance because of their chromium content by mass. Stainless steel is an ideal material for our applications where both strength and corrosion resistance are required. Naturally it looks silver to light grey.

Outdoor usage only. We use stainless steel 304 as standard. Stainless steel 316 is available on request.

MAINTENANCE:

Use a sponge and water, or a multicleaner – common kitchen cleaning product, no aggressive product, to remove stains, fingerprints or dirt. You can use a soft cloth, microfibre cloth, or soft brush as well but do not rub too hard or too long.

REPARATION:

The impact of sharp objects can damage the coating. Small visible damages can be touched up with small paint solutions from our partners. Contact us or your nearest ambassador for further assistance.

POWDER COATED STEEL

Powder-coating is a technique where dry powdered paint is electrostatically charged and sprayed onto the object, to then melt in an oven and coalesce into a continuous film that covers the object. Steel has a very high tensile strength and is an alloy of iron and carbon. Naturally it looks grey.

Indoor usage when the standard powder coating is applied

Outdoor usage is possible when the optional zinc coating is applied by a **hydrodynamic painting before powder coating**.

MAINTENANCE:

Use a sponge and water or a multicleaner – common kitchen cleaning product, no aggressive product to remove stains, fingerprints or dirt. You can use a soft cloth, microfibre cloth or soft brush as well but do not rub too hard or too long.

REPARATION:

The impact of sharp objects can damage the coating. Small visible damages can be touched up with small paint solutions from our partners. Contact us or your nearest ambassador for further assistance.

CORTEN STEEL / WEATHERING STEEL

The Corten steel is allowed to rust in order to form a protective coating. Because of its inherent toughness, this steel offers exceptional mechanical resistance as well as incredible durability. Originally, Corten steel has a dark blue colour. The surface oxidation of weathering steel takes approximately six months to one year but surface treatments of our partners can accelerate the oxidation to as little as two hours. Only available in strip-mill plate and sheet forms, which happen to be the key ingredients in Havani's frame designs.

Outdoor usage only in combination with sintered stone tops or granite tops.

MAINTENANCE:

Corten steel requires no maintenance. Be careful of not cutting through the protective layer by accident with sharp metals. When making contact, a minimal dose of rust can slightly colour your skin, clothes or other items but it can just as easily be washed off with water. A sealer to completely prevent this can be applied after 6 months outdoor exposure to weather. This sealer will also prevent any rust dripping on terraces caused by rain. This sealer can be purchased additionally at HAVANI.