

Kebony

Use and Maintenance



1. PRODUCT AND PRODUCT NAME

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| Product name | Kebony |
| Product type | Kebony wood for exterior use |
| Producer | Kebony AS NO-3739 Skien, Norway. Tel.: +47 06125 www.kebony.com |

2. PRINCIPLES AND APPLICATIONS

Kebony is the right choice for all external use of timber, where long durability, good environmental profile and low maintenance demands are required. Kebony is based on sustainably managed and available wood species, which are added a bio-based chemical that cures to a solid inside the wood fibres. Kebony has a long lifetime in exterior use.

Because of its appearance, physical properties and durability, Kebony is an environmentally friendly alternative to tropical timber.

Examples of applications for Kebony are cladding, decks, windows, boat decks and garden installations.

3. ENVIRONMENT

Kebony is harmless for humans and for the environment, both in use and in the disposal phase. Kebony can be burned or deposited, and does not release smoke gases that are different from those of untreated wood.

4. MACHINING

Kebony can be machined with tools that are common in the hardwood-working industry. Because of its higher density and hardness than the parent wood, a slightly faster tool wear may be observed.

5. FASTENERS

For exterior Kebony that is left without surface coating, acid proof or stainless steel fasteners are recommended. Galvanised fasteners may give dark surface stains on the boards.

6. DIMENSIONAL PRECISION

Kebony is delivered with high dimensional precision. The products can, however, swell or shrink with varying moisture conditions, though the rate of swelling and shrinking is less than half of that of the parent wood. The maximum rate of swelling across a Kebony board, going from dry to completely wet, is approx. 4% of the width of the board.

7. APPEARANCE AND COATING

Kebony has a brown colour, which over time will fade and converts to a silver-grey patina in outdoor exposure. The brown colour may vary slightly from batch to batch, but the variations will be levelled out somewhat over time. The rate of this greying depends on how the product is exposed to both rain and sunlight. Normally, there will be a gradual transition in a matter of months. This greying has no influence on the durability or other product features, besides the appearance.

If a different appearance is desired, Kebony can be surface coated. Kebony recommends water-based acrylic paints. With staining or oiling, a somewhat longer curing time than specified by the manufacturer of the paint may be expected.

8. KEBONY IN COMBINATION WITH ZINK

Kebony in combination with zinc in exterior applications can lead to discolouration and corrosion of the zinc products. Kebony contains residues of citric acid that slightly lower the pH of leached water. Typically water leached over a Kebony surface will have a pH between 5 and 6. Zinc products are normally not recommended for use where they are exposed to pH lower than 6.

Zinc and Kebony should only be combined if the zinc material is protected to withstand acidic environments and in accordance with advice from the producers of the specific zinc product, or if the construction is protected from running water.

Kebony AS does not accept responsibility for products other than Kebony, even when the other products are used in combination with Kebony.

9. MAINTENANCE

Kebony can be cleaned with high-pressure water used with a suitable brush. Direct high-pressure water spray is not recommended and might lead to damage of the wood fibre structure.

Kebony is treated throughout the wood cross section, and may be sanded or planed to recreate the surface.

10. STORAGE

Kebony should be stored in a dry and ventilated area and covered from direct sunlight, in order to avoid colour deviations before use.

11. PRODUCT DATA SHEETS

Product data sheets for the various types of Kebony are available on www.Kebony.com.