



Use & Maintenance

For Kebony® terrace, cladding and roof boards
July 8, 2016



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1. PRODUCT AND MANUFACTURER

Trade name	Kebony®
Product	Kebony character (e.g. Scots Pine) or Kebony clear (e.g. Radiata, SYP) terrace (decking), cladding and roof boards
Manufacturer	Kebony Norge AS Havnevegen 35 NO-3739 Skien Norway

2. MAIN APPLICATIONS

Kebony is the right choice of material for exterior above-ground applications where durability, environmental friendliness and low demands on maintenance are important.

Kebony is produced from sustainably sourced lumber and bio-based input chemicals. The chemicals are polymerised to a stable solid inside the wood fibres, yielding a stable, hard and durable wood material.

3. PRODUCT SAFETY

Kebony is not toxic to humans or the environment, neither in use nor when disposed of as waste.

4. MACHINING / FURTHER PROCESSING

Kebony boards can be processed with normal hardwood tools and machinery.

Kebony character is not intended for further machining of its surface.

Kebony clear may be sanded, brushed, planed and profiled without negative effects on durability.

5. DIMENSIONAL STABILITY

Kebony is a natural product which means there will be some swelling and shrinkage due to changes in relative humidity. However, the Kebony process significantly increases the dimensional stability of the wood. Maximum swelling across the boards from completely dry to complete water saturation is:

- About 6% of the board width for Kebony character
- About 4 % for Kebony clear

Swelling of untreated wood in the same conditions will be about 8% of board width.

6. APPEARANCE AND SURFACE TREATMENT (AFTER INSTALLATION)

Kebony boards have a deep brown color that will turn to a silvery gray patina over time. The speed of this graying process depends on exposure, conditions and type of application. Intense exposure to sunlight and precipitation will accelerate the graying process. Normally the graying will happen gradually over a few months. This change in appearance has no effect on decay resistance or other technical



product properties. Surface treatment with oil, stain or paint will reduce the graying effect or change the color of the installation:

- All Kebony products may be surface coated in cases where retaining the original color as long as possible, or changing the color and appearance using paint, is desired.
- When surface coating is applied, the directions from the coating manufacturer should be followed closely.

7. KEBONY BOARDS COMBINED WITH METALS

Water run-off from Kebony boards onto zinc parts may result in discoloration of the zinc surfaces, e.g. on roof gutters, zinc window sills or other zinc details. In cases where zinc products are installed together with Kebony, refer to documentation from the zinc product supplier.

Water run-off from Kebony boards onto copper parts may result in color variations on the copper surfaces, since the Kebony will keep copper shiny with the original copper color on the affected surfaces, while copper normally goes through surface oxidation to a dark green or black surface color.

Kebony can be used with aluminium fixtures and enamelled or foiled fixtures without discoloration.

Kebony does not accept responsibility for products not manufactured by Kebony.

8. MAINTENANCE OF UNCOATED KEBONY

Safety in use of cleaning agents

Instructions printed on the labels of cleaning agents should be followed closely with respect to use, safety precautions and waste disposal. Please refer to the manufacturers' handling and application guidelines when using cleaning agents.

Use of high-pressure washers

Kebony does not recommend the use of high pressure washing. However, Kebony boards may be washed with high-pressure washers equipped with suitable brushes. The water jet of high pressure washers should never be applied directly on the wood surface.

Surface cleaning

Removal of deposits of dirt, sand and other particles is simply done with a brush and water.

Surface contamination of mold or algae can be removed by brushing and washing with water containing ordinary household cleaning agents or detergents suitable for exterior household cleaning.

Manufacturers' guidelines for cleaning products should be observed. Kebony recommends rinsing with clean water after all surface deposits have been removed.

Heavily contaminated surfaces may be cleaned with alkaline detergents or detergents containing oxalic acid or hypochlorite. Manufacturers' instructions need to be observed.

Such strong cleaning agents may lighten the surface color of the Kebony cladding to a slightly brighter appearance than the original appearance at installation.

Stains and discoloration caused by incompatible metal parts

Stains from rust or black stains as a result of using non-stainless fasteners or other incompatible metal parts can be removed by cleaning solutions containing oxalic acid.

9. STORAGE

Kebony boards should be stored under cover before installation in order to avoid weathering effects resulting in color variations prior to installation.



10. WASTE DISPOSAL

Waste from Kebony boards can be disposed of in the same manner as untreated wood. Kebony can be burnt like untreated wood, and will not release any other smoke components than those released when burning untreated wood.

11. REFERENCES

Other Kebony documents may be downloaded from www.kebony.us

- Product Data Sheets
- Installation Guidelines
- Material Safety Data Sheets
- Product Warranty