

SILVACERA

INSTRUCTIONS FOR USE

System of water-repellent wax for surface protection of wood intended for outdoor use

SILVACERA is a water-based wax for protection of wood intended for outdoor use, namely for the wooden elements that are not in constant contact with the ground (earth) or running water. It protects wooden elements absorbing moisture and precipitation, both on the surface and in the interior. It increases the water repellence of wood in a completely natural way and thereby extends its lifetime. **SILVACERA** - wax is based on natural components and offers a high-tech alternative to synthetic coatings that are based on petroleum products and oils which require very frequent and repeated recoating. **SILVACERA** - wax is suitable for most types of wood (less suitable only for poorly absorbent types of wood and wood with a higher content of tannins, e.g. oak and chestnut), it is also very suitable for use on all types of heat-treated wood. It is used for surface protection of windows, doors, garden and balcony railings, pergolas, garden furniture, beehives, playground equipment, etc. Since **SILVACERA** doesn't contain VOCs (volatile organic compounds), it is suitable for the protection of wood both in internal (e.g.: working surfaces, countertops) and especially in external spaces. The excellent property of the preparation **SILVACERA** is that it merely emphasizes the natural structure of the wood and absolutely does not change its appearance.

COMPOSITION

SILVACERA - wax is composed of an aqueous component, a water-repellent component and additives. **SILVACERA** - wax is not flammable, dries quickly and becomes, after the prescribed heat treatment, water-repellent. **SILVACERA** - wax is produced in natural tint or colourless.

METHOD OF APPLICATION

FIRST PHASE: Coating or application

SILVACERA – the wax is applied to dry, clean, dried and treated wood with a brush, by spraying, pouring or by a brief immersion. **SILVACERA** - wax is as a rule applied to the wood in one or two coatings considering the prescribed minimum application

of 80-120 g/m². In case of double coating, we must wait for the first coating to dry completely before applying the second coating. Between the applications we must not carry out any heat treatment or hardening. The prescribed minimal working temperature of the application is above 5 °C (do not coat in direct exposure to strong sunlight, at higher temperatures we strongly recommend applying the wax in shade). The wood protected with **SILVACERA** - wax is completely natural, non-toxic to the touch and does not evaporate any harmful volatile components. Prior to use, **SILVACERA** - wax should be thoroughly mixed, so that no visible sediments are left at the bottom of the bottle. After the application of the prescribed wax amount on the wooden surface, the surface must be thoroughly dried. The drying time depends on external factors and amounts to approx. 2-6 hours. When **SILVACERA** - wax is dry, a powdery wax coating of whitish colour is visible on the surface of the wood, and the surface feels slightly waxy.

SECOND PHASE: Heat treatment or hardening of the wax

When **SILVACERA** - wax is dry, the thermal treatment of all surfaces with hot air follows (we recommend treatment with hot air or a dryer, used for removal of old coats of paints from different surfaces). A precise treatment of all surfaces must be ensured. It is important we achieve a temperature of the surface with the hot air of between 90 and 100 °C, and to systematically treat all parts of the wood. We must pay attention to avoid burning or overheating the surface. During the treatment, the whitish powdery wax turns into a glassy diaphanous and durable coating. Wood protected with **SILVACERA** - wax may be subjected to weather conditions not earlier than (at least) 6 hours after the heat treatment. After use, the tools should be washed with warm water and detergent.

If you want to use the wood in continuous contact with the ground (earth) or running water, it must be pre-protected with the basic impregnator **SILVANOLIN**. The wood, which was previously protected by the basic impregnator **SILVANOLIN**, should be indispensably well dried before the application of **SILVACERA** - wax. Examples: after the application of 200-250 g/m² of impregnator **SILVANOLIN** (double coating), the wood must be dried for at least 48 to 96 hours, in inadequate conditions even longer. In case of immersion or pouring for 1 hour to 24 hours the drying takes 2 to 5 weeks and more. This guidance values apply for average humidity and sunny weather; in the case of higher humidity or lower temperatures these times should be extended accordingly. It is important that, after drying, the moisture in the wood meets the wax **SILVACERA** coating requirements (approx. 15-25% humidity).

CONSUMPTION

Approximately 8 to 12 m² of wood surface can be coated with one kilogram of **SILVACERA** - wax, depending on the type of wood and its treatment. The consumption should be 80-120 g/m².

BEST BEFORE:

24 months from production date

STORAGE

SILVACERA - wax should be stored in tightly sealed containers in a dark place at a temperature higher than 5 ° C (it should not freeze).

WARNINGS

When applying **SILVACERA** – wax, protective gloves should be used and when spraying we must also protect the eyes, respiratory system and exposed body parts. When coating walkable surfaces, we must be attentive to slipperiness and the possibility of slipping. We must prevent the effusion of **SILVACERA** - wax into watercourses and groundwater. Keep out of the reach of children and in tightly closed containers.

DISPOSAL OF PACKAGING

Empty packaging should be disposed into appropriate containers for separate waste collection.

For more information or in case of any doubts, please contact our technical service, tel. 01 280 05 71 (store), e-mail: info@silvaprodukt.si.

SILVACERA - wax is also tested at the Department of Wood Engineering of the Biotechnical Faculty in Ljubljana.