

ACS 3000 YACHT KERAMIK PROTECTIVE SEAL

APPLICATON DESCRIPTION



WWW.YACHTKERAMIK.DE

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Detailed application description for sealing your yacht or boat

Sealing yacht and boat surfaces with ACS3000 Yacht Keramik offers a state-of-the-art protection solution for a wide range of materials. This sealant significantly improves the longevity and gloss of surfaces by providing long-lasting protection against UV radiation, salt water, corrosion and mechanical abrasion. Here is an overview of the process:

1. Preparing the surface

- **Cleaning:** The surface must be thoroughly cleaned to remove dirt, grease and old sealants. This can be done by washing with a suitable cleaning agent.
- **Polishing:** If the surface has scratches, oxidation marks or chalking, it should be polished before sealing to create a smooth, shiny base.

2. Drying

- The surface must be completely dry before the ACS3000 Yacht Keramik Protective Sealer is applied.

3. Applying the ACS3000 Yacht Keramik protective sealant

- **Product selection:** There are various ACS3000 products that must be selected depending on the type of surface (gelcoat, paint, metal, glass).
- **Application:** The sealer is usually applied with the enclosed white microfleece cloths in linear movements. It is important to apply the product evenly.

4. Aftercare

- **Polishing:** After drying, the surface can be lightly polished if necessary to achieve maximum gloss.
- **Curing:** Full curing of the coating can take up to 72 hours, during the first 5-6 hours the surface should not come into contact with water and other liquids.

5. Care and maintenance

- **Cleaning:** Regular cleaning of sealed surfaces is still necessary, but much less frequently and much easier, as dirt and deposits do not adhere so easily to smooth surfaces.
- **Refreshing:** Depending on use and exposure, it may be necessary to refresh the ceramic sealant after a few years in order to maintain optimum protection.

The use of ACS3000 Yacht Keramik significantly improves the protection and aesthetics of yacht and boat surfaces. This technology ensures a long-lasting shine and protection that is maintained even under demanding conditions.

Various materials

ACS3000 Yacht Keramik is a versatile sealing technology that can be applied to a wide range of materials. Below are some of the materials that can be sealed with this version of ACS3000 Yacht Keramik:

1. Lacquered surfaces

- **Protection:** Painted surfaces, such as those often found on boat hulls and superstructures, benefit from ACS3000 Yacht Ceramic Sealer by protecting them from UV radiation, salt water and scratches.
- **Gloss:** The paint stays shiny for longer and retains its color, which improves the visual impression and maintains its value.

2. Foiled surfaces

- **Application:** Foiled surfaces, which are often used for design elements or advertising lettering on yachts, can be protected from fading, peeling and soiling by the sealant.
- **Easy to clean:** The sealed film is more resistant to environmental influences and is easier to clean.

3. Plastics

- **Versatility:** Plastic parts such as window frames, ventilation grilles and covers can be protected against UV damage, fading and weathering by the sealant.
- **Resistance:** The surface becomes more resistant to scratches and discoloration.

4. Hardwood

- **Protection:** Hardwoods, which are often used for decks or furniture on yachts, benefit from ACS3000 Yacht Keramik Sealer as it protects the wood from moisture, mold and UV radiation.
- **Preserving the natural beauty:** The sealant preserves the natural color and grain of the wood and reduces the need for frequent re-oiling.

5. Metals (including stainless steel and aluminum)

- **Corrosion protection:** Metal surfaces such as railings, fittings and poles can be effectively protected against corrosion and oxidation by the ceramic sealant.
- **Visual effect:** The sealant ensures a long-lasting shine and prevents tarnishing or prevents tarnishing or discoloration of the metal.

6. Chrome

- **Shine and protection:** Chrome parts, which are often used as accents on yachts, benefit from the sealant through a long-lasting shine and protection against rust and staining.
- **Durability:** The ACS3000 Yacht Keramik sealant protects the sensitive chrome surface from scratches and tarnishing over a long period of time.

If you need help selecting the material to be sealed, a tool is available on the ACS3000 Yacht Keramik website.

<https://yachtkeramik.de/oberflaechen/>



For new and old paints

In order to make the right distinction, you have already made your choice of paint to be treated when ordering ACS3000 Yacht Keramik protective sealant. Below we explain the differences so that you always achieve a perfect result.

ACS3000 Yacht Keramik Heavy Duty (HD)

- **Application:** This variant of ceramic sealing is specially designed for older and weathered paintwork that has previously been treated.
- **Protection:** ACS3000 Yacht Keramik HD offers a particularly resistant layer that penetrates deep into the treated paint surface and protects it from further damage caused by UV radiation, salt water and mechanical influences.
- **Renewal:** By applying this sealant, the paintwork is revitalized, making it appear almost new and at the same time extending the service life of the surface. The maintenance intervals for the paintwork are also considerably delayed and less frequent. This saves time and therefore also costs.

ACS3000 Yacht Keramik Paint Protection Light (PPL)

- **Application:** This sealer is ideal for new and fresh paint surfaces. It is designed to preserve and / or improve the original quality of the paintwork and protect it from environmental influences. ACS3000 Yacht Keramik PPL can be applied 3-4 weeks after painting.
- **Shine and protection:** ACS3000 Yacht Keramik PPL provides a brilliant, long-lasting shine and protects the paint surface from scratches, fading and dirt adhesion. This keeps the surface in mint condition for longer.



Preparation of surfaces for ACS3000 Yacht Keramik Protective Sealer HD & PPL

HD - Older reconditioned paints / PPL - New paints & freshly painted surfaces

Cleaning

The surface must be thoroughly cleaned to remove dirt and impurities from the surface; this can be done by washing with a suitable cleaning agent. If the surface is scratched, matt or weathered, it is advisable to polish it before sealing, for example.

Applying the sealant

- Before applying the sealer, the surface that has been cleaned or polished must be degreased again with ACS3000 pre-cleaner to ensure maximum molecular cross-linking.
- Allow the pre-cleaner to evaporate for at least one minute before applying the sealer.
- The ACS 3000 Yacht Keramik Sealer is applied using the white microfleece cloths included in the set. To do this, fold the cloth to an edge length of approx. 10 cm and drip a few drops of the sealant onto the edge until saturation is visible.

ACS3000 Yacht Keramik HD

Now seal a maximum working area of approx. 40 cm² in linear movements. Allow this surface to flash off for approx. 40 to 60 seconds.

ACS3000 Yacht Keramik PPL

Now seal a maximum working area of approx. 40 cm² in linear movements. Allow this surface to flash off for approx. 20 seconds.



Polishing out

- After the flash-off time, polish the surface with one of the enclosed polishing cloths in any desired manner without pressure until the surface shines without streaks.
- Now place the next surface to be sealed with a slight overlap to the already sealed surface and repeat the process continuously until the intended surface is completely sealed. Make sure that all surfaces are polished without leaving streaks.
- Replace the polishing cloths if you no longer achieve good or satisfactory results when polishing and if there are always streaks when polishing. This indicates that enough sealant has already been absorbed into the polishing cloth.
- The drying time is 20 minutes to a dust-dry surface, approx. one hour to a hand-dry surface. The sealer is ready for use after approx. 5 to 6 hours. The sealer is fully cured after 24 to a maximum of 72 hours.

Processing

The sealant is best applied in a closed room. When applying outdoors, pay attention to the ambient parameters.

The temperature should be between 10°C and max. 30°C. At a relative humidity of 50 to 65% and a dry environment. On dry days, the surfaces can be sealed outdoors if it is ensured that it will not rain for the next five to six hours after sealing. If possible, please do not apply the sealer in direct sunlight.

A faster reaction process can be expected in windy or draughty conditions, which can shorten the flash-off time before polishing. Please always ensure that the air humidity remains constant during application and the drying time. If necessary, keep the work surfaces smaller to ensure optimum polishing.

You will notice a significant difference in the sealed surface after just one application and you can benefit from the protection for years to come.



Preserving value and sustainability

Yes, the ACS3000 Yacht Keramik really does stand for value retention and sustainability. Here is the explanation:

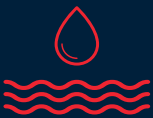
1. Preserving value

- **Long-term protection:** The ceramic sealant provides an extremely resistant protective layer that protects surfaces from the typical damage caused by salt water, UV radiation, soiling and mechanical abrasion. This helps to maintain the new condition of the surfaces and thus preserve the value of the yacht or boat in the long term.
- **Lower maintenance costs:** Thanks to the high level of protection, ACS3000 Yacht Keramik Sealer reduces the need for frequent polishing or repair work. This saves costs and helps to keep your yacht or boat in excellent condition.

2. Sustainability

- **Durability:** ACS3000 Yacht Keramik provides a very durable protective coating, which means that surfaces need to be retreated less frequently. This reduces the consumption of materials and resources over the lifetime of the boat or yacht.
- **Less chemical consumption:** As the sealed surfaces attract less dirt and deposits, the use of cleaning agents is also minimized. This contributes to environmental protection, as fewer harmful chemicals are released into the environment.

The use of ACS3000 Yacht Keramik not only helps to protect and preserve the material value of the yacht, but also contributes to environmental friendliness and the conservation of resources. The application of this ceramic sealant thus effectively combines the aspects of value retention and sustainability.



***Harmless to water**

Once our sealant has cured, no harmful substances are released into the water.



Maximum transparency

The ACS3000 Yacht Keramik is characterized by its ability to form a particularly thin but extremely effective protective layer. This thin layer offers several advantages:

1. Maximum transparency and brilliance

- **Optics:** The ceramic sealant forms an ultra-thin, transparent layer on the surface that does not change the original gloss and color of the material, but intensifies it. The natural beauty of the paint, metal or wood is completely preserved.
- **High-gloss effect:** The thin layer allows the light to be optimally reflected, resulting in an impressive high-gloss effect.

2. Effective protection without build-up

- **No material build-up:** Despite the low layer thickness, the ACS3000 Yacht Keramik Sealer offers excellent protection against UV radiation, salt water, corrosion and scratches without thickening or building up the surface. This is particularly important for sensitive areas where additional material thickness is undesirable.
- **Flexibility:** The thin layer is flexible and adapts to the surface without cracking or peeling, providing long-lasting protection.

3. Less consumption, easy to use

- **Efficiency:** As the layer is very thin, less product is needed per square meter, which reduces consumption and lowers costs.
- **Easier application:** The thin layer is easier and more even to apply, minimizing the risk of application errors such as streaking or overlapping.

4. Sustainability

- **Conserving resources:** The thin layer also means that less material is produced and consumed, which makes a positive contribution to sustainability.

The particularly thin layer of ACS3000 Yacht Keramik offers an efficient, unobtrusive but extremely effective protection solution. It maximizes the gloss and durability of surfaces without compromising the visual or physical properties of the material. These properties make the ceramic sealant ideal for use on yachts and boats where both aesthetics and protection are paramount.

Further application tips, as well as video instructions for the application of ACS3000 Yacht Keramik protective sealants and all other products:


<https://acs3000.com/videos/>





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