

DESCRIPTION

This system describes a step-by-step plan for polishing and mirror-polishing a gel-coated or polyurethane-coated surface.

APPLICATION AND PURPOSE

For this step-by-step plan, we recommend products from the companies Kovax and Mirka. This plan describes how to restore shine to, for example, a weathered or dull gelcoat or polyurethane finish. The step-by-step plan is also useful for removing scratches, orange peel, dust, small surface imperfections or brown deposits.

UNDERGROUND CONDITION

Surface painted with Poltix Gelcoat or Double Coat, weathered, matt or with minor surface damage or other minor imperfections.

ROADMAP

Step-by-step plan for grinding and polishing:

| Status of the yacht | Extreme weathering signs, scratched or dull and/or treated with PTFE | | Moderate weathering signs (without high gloss) | | Almost as new (very well maintained) | |
|----------------------------|--|------|--|------|--------------------------------------|------|
| | Bright | Dark | Bright | Dark | Bright | Dark |
| Step 1 Washing/Cleaning | Thoroughly clean the surfaces with a degreasing detergent. Work from the bottom up to avoid missing spots. | | | | | |
| Step 2 Grinding | Sand with Kovax grinding discs YellowFilm and Buflex sanding discs P1000;P1500;P2000;P3000 | | ↓ | | ↓ | |
| Step 3 Polishing | Polish with Mirka PolarShine 45 with a rotary polisher at 800 to 1400 rpm. Use a lambskin or a blue foam pad. | | | | | |
| Step 4 Polishing | Polish with Mirka PolarShine 12 with a rotary polisher at 800 to 1400 rpm. Use a lambskin or a blue foam pad. | | | | | |
| Step 5 Polieren | Polish with Mirka PolarShine 5 with a rotary polisher at 800 to 1400 rpm. Use a lambskin or a yellow foam pad. | | | | | |
| Step 6 Protecting | Apply Mirka PolarShine 3 in conjunction with an eccentric machine. Use a black pad and rub the surface with a soft cloth. | | | | | |

Remarks:

1. When removing dust, orange peel, scratches or other minor surface imperfections, it is recommended to sand with 800-1000-1200-1500 grit first. This removes the largest imperfections and avoids prolonged buffing to remove the particles from the surface.
2. Change the grinding wheels regularly to avoid damaging the surface with hard particles. This damage is also called pigtailed.
3. Always move the polishing machine slowly but steadily over the surface during the polishing process to avoid burning the surface and to obtain an even polishing result. Do not polish in direct sunlight.
4. The scheme above includes products from the companies KOVAX and Mirka. More information and instructions can be found on the NautiCare page at www.nauticare.de

MATERIALS

The following materials are used in this step-by-step plan:

KOVAX sanding discs:

KOVAX YellowFilm P800

KOVAX YellowFilm P1000

KOVAX YellowFilm P1200

KOVAX YellowFilm P1500

KOVAX Buxflex P2000

KOVAX Buxflex P3000

Mirka polishing agents:

Polarshine 45, coarse

Polarshine 12, medium

Polarshine 5, fine

Polarshine 3, Wax

Date: May 2022

Disclaimer

Although the information and recommendations are presented in good faith and believed to be correct at date of issue, De IJssel Coatings B.V. makes no representations as of the completeness or accuracy thereof. In no event De IJssel Coatings B.V. will be responsible for damages of any nature whatsoever resulting from the use of this information.