

PRO-2, because cleaning is just cosmetics

Textile engineering & chemical know how

In a cleaning process, the protective mechanisms of a sail will always be damaged. Without replacement of these, the sail offers open access to humidity. With the humidity micro organisms and pollutions find their way into the fabric. Resins in combination with oleo- and hydrophobic molecules supply the necessary protection and contribute to a good haptic quality and rigidity of the sail. This has already been done in the production of your sails cloth.

Preventing is better than repairing, but...

Sails that are treated at the right moment, before the entire loss of their original protection and rigidity, can supply much longer pleasure in sailing, due to their maintained haptic and visual quality impression. The right moment shows with decreasing rigidity, less zisling when folding and fading hydrophobicity. Test your sail: A few drops of water absorbed by the sail, tell everything - it's time to act.

Touching up a sail is more than most people know

The benefits from a chemical rearmament of an old sail is more versatile than you probably expect: Profile, rigidity, haptic and protection. The treatment of the outstanding resistant Dacron fabric can make a sail, even after decades of use, stand and sail properly again!

To be considered: Sail service starts in autumn

Over the winter big amounts of sails will be treated in systematic order. Your sailmaker and we have only a small time slot available to work on your sails. Supply your sails for service, immediately after your boat is stored for winter. This way is assured, you can start early with a fresh and crisp set of sails into the new season.



PRO-2 Sail-Regeneration for Dacron- and laminate sails with textile tafetta*

*the profiling of laminate sails can be due to their construction weak to non appearing, this is due to the technical behaviour and properties of the laminated materials



PRO-2 YACHT SERVICE PRODUCTS in endconsumer & professional units

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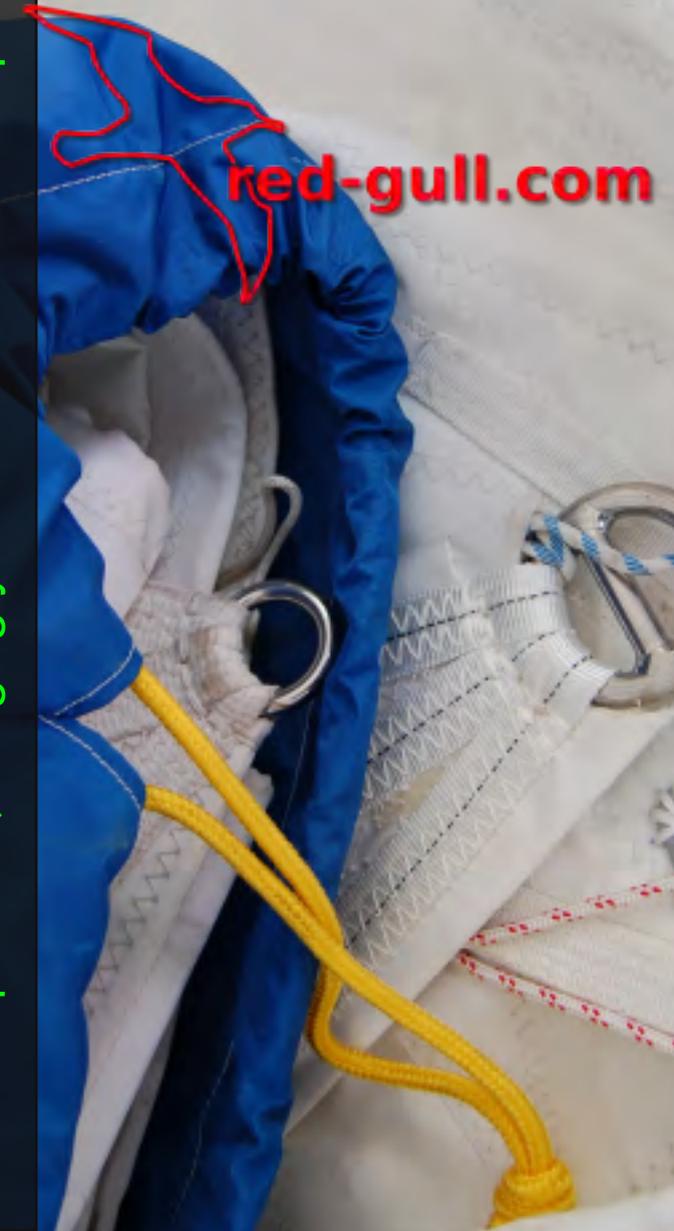
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PRO²

SAIL REGENERATION

The first process, bringing your sails back into shape





Cleaning & protection

Targets of cleaning:

- impeccable visual appearance
- cleanest reproducable white colour
- removal of a maximum of mildew
- removal of pollutions
- removal of stains
- stronger bonding of resins

New protective mechanisms:

- strong water- and dirt repellence
- quick drying surfaces
- almost perfectly windproof sail for an easily maintainable sail



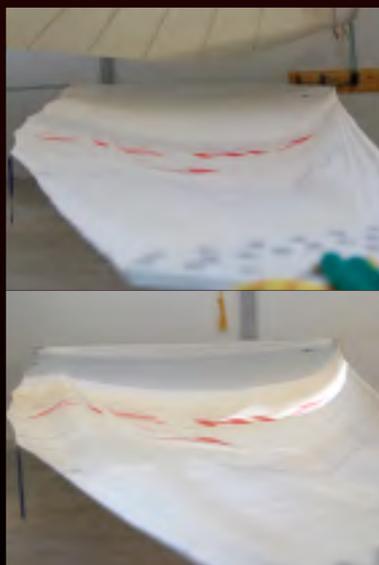
Strengthening & haptic perception

Regeneration of firmness:

- new fabrics tension
- new sealing of fabrics matrix
- new adhesion of filaments
- new structural strength against diagonal stressings
- optimized distension resistance

New haptic perception:

- rigid & compact sail cloth
- cracky-crispy haptic, almost as new
- increased form stability



Aerodynamics & performance

Regeneration of profile and leaches:

- Regeneration of profile depth and length
- optimized luff and foot tension

Effects in sailing:

- less heeling
- les windward pressure
- more boat speed and closer hauling
- later reefing of sails
- better profile production in light winds
- hydrophobicity in rain
 - ▶ less weight
 - ▶ no soaking wet sails
 - ▶ quick drying

Cleaning, strengthening & profiling amelioration instead of cleaning only



The PRO-2 Sail Regeneration process targets at an amelioration of a sails profile, strength, fabric structure and protective mechanisms. For this we combined a gentle chemical cleaning process with a following regeneration treatment in several steps. There are no machines in the process and no mechanical cleaning steps, that could weaken the actual condition of the sailcloth.

Cleaning

First pollutions are loosened in a chemical bath and rinsed off. Therefor the sail will be rinsed manually, side for side, flattened out in our hangar. After this the sail will be dried the first time.

Regeneration & strengthening

For the regeneration purpose, the sails receive a new special resin application. These will be applied from both sides of the sail, to penetrate fully into the fabrics matrix. During the bonding process, the sail fabrics tension will reappear for the major part. Then the sail will be drying again, within the bonding process.

Profile & air permeability

Within most sophisticated textile engineering, our chemicals are applied for an almost fully impermeability and ameliorated profile. The sail will be ameliorated obviously compared to it's condition before the treatment, changes are measurable.

Duration of process

The RED GULL PRO-2 Segel-Regeneration process is a manual process, in which every sail will be worked side by side several times, undergoing drying periods in between. The whole process wil take some 3 - 5 days per sail. Bigger furling genuas can require, due strongly water absorbing and slow drying furling cushions, significantly longer time.

Strengths of the manual processes

In all steps of the process the sails will be under permanent visual controll, allowing an individual treatment of every single sail. This way we can avoid uniform treatment as occuring in machine washing treatments and work the sail precisely acc. its necessities. The manual cleaning process maintains the actual fabrics structure and strength, at individual cleaning intensity. The application of the new resins to the sail can only be carried out manually, due to the 3 dimensional shape of the sail. Evt. automatized processes would force the sail into a 2 dimensional shape.