

Keel-Pro®



Svenska Koster is a boat-company based in Uppsala, Sweden. Our main business is in repairs and inspection of sailing boats and the damages are often caused by groundings. Our customers are all the insurance companies in Sweden.

During 20 years, our work of repairing has given us an insight into how the damages caused by groundings affect various boats.

It is obvious that you can minimize the damages by a protection of some kind. This work has resulted in a keel/collision-protection, called Keel-Pro. For boats under construction a recess will be made at the bottom of the keel. For other boats it is possible to fit an external keel protection.

The Keel-Pro consists of a special rubber-compound, resistant of time. Inside the rubber shield there is a hole connected to outside, downwards through openings, as well as upwards and to the sides with additional openings.

In the event of a grounding, the rubber will compress, the inside hole will shrink up and allow water to splash out through the openings and the boat will be slowed down. The main part of the energy from the collision stays under water and the remaining energy is transmitted to the keel, the hull etc. The total energy reduction is about 70% at 5 Knots. As a result, less or possibly no repair of the keel blade is necessary. The keel protection is glued with special glue, which also can be used as putty for smoothing the joints.

The insurance companies are supporting our patent which has been granted by "Patent- and registrerings-verket" in Sweden. One of the biggest boat manufactures in Sweden, Arcona Yachts AB, has the Keel-Pro mounted as standard on their boats. That has increased their sales.

