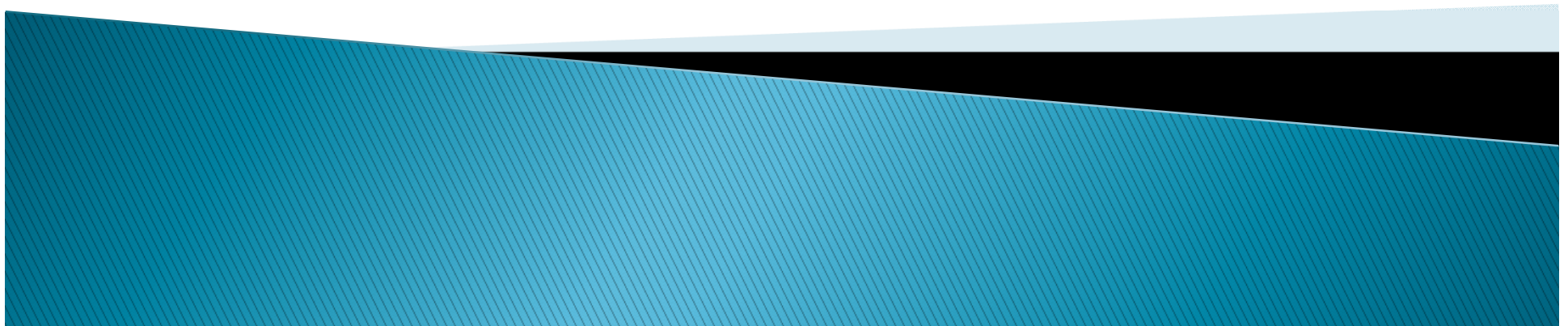


Mylar Sails for Vaurien

First tests & results of the questionnaire



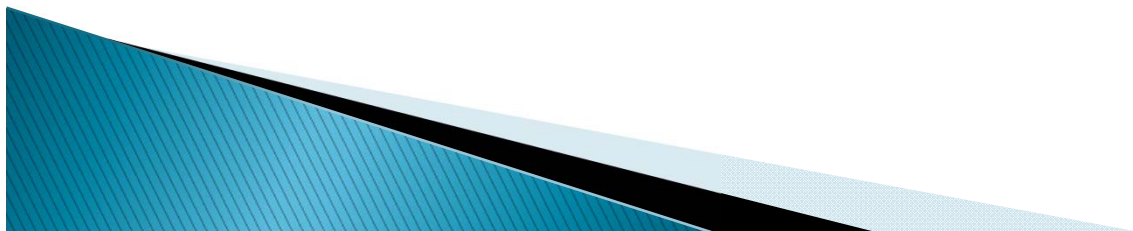
Introduction

- ▶ Testing of Mylar as sail fabric
- ▶ Modern look
- ▶ Increase the visual appeal and the attractiveness
 - especially to younger sailors
- ▶ Logical step following introduction of square top mainsail in 2008
- ▶ Mylar laminate tested only for the mainsail
 - Jib may be damaged quickly
- ▶ Dimensions and measurement rules the same as in the current sails.
- ▶ Mylar as alternative to dacron
 - Dacron sails still legal



A first prototype

- ▶ Made by the German sailmaker [Latsch](#)
- ▶ Presented during the 51st Vaurien World Championship in Douarenez
- ▶ Made from a multi-axial Kevlar laminate
 - yellow-ish in appearance
 - other fibres give a different colour
- ▶ Price of the sail approx. 650 €
 - Dacron mainsail costs about 550 €







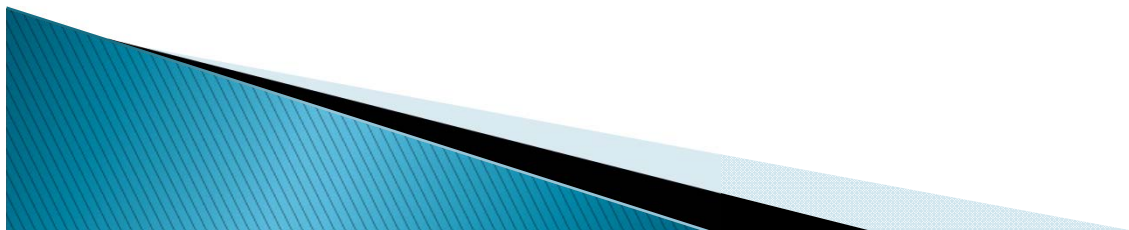






Mylar vs. Dacron

- ▶ Mylar stretches less than Dacron
 - Shape does not change with load
 - Better reaction to trimming
 - Less possibilities to adjust to different wind strength
 - Shape does not change over time
 - Longer racing life
- ▶ Mylar will break or delaminate when it gets old
 - When delamination starts, a Mylar sail cannot be used anymore.
 - An old Dacron sail can be used forever.
- ▶ Mylar is transparent
 - Safety
 - No window necessary
 - Visibility of the jib



Which one is better?

- ▶ New dacron sail every 2 years
- ▶ Material still okay
- ▶ Shape of the sail is bad
 - permanent stretch
- ▶ Mylar sails can be used longer for racing
 - 3–4 years
- ▶ Cheaper than using Dacron
- ▶ Uses sails as long as possible
 - 5+ years
- ▶ Dacron is very durable.
- ▶ Shape not very important
- ▶ Mylar breaks at some point
 - Sail not usable after that.
- ▶ With mylar, he will still buy a new sail after 5+ years.
 - But he spent more money.
 - But he had a better sail shape.

Racing sailor

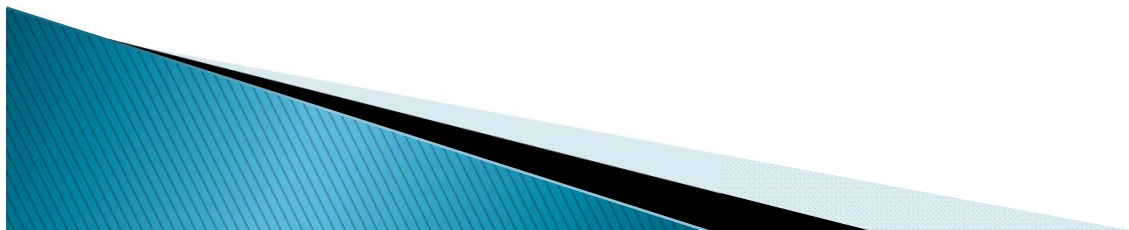
→ Mylar

Recreational sailor

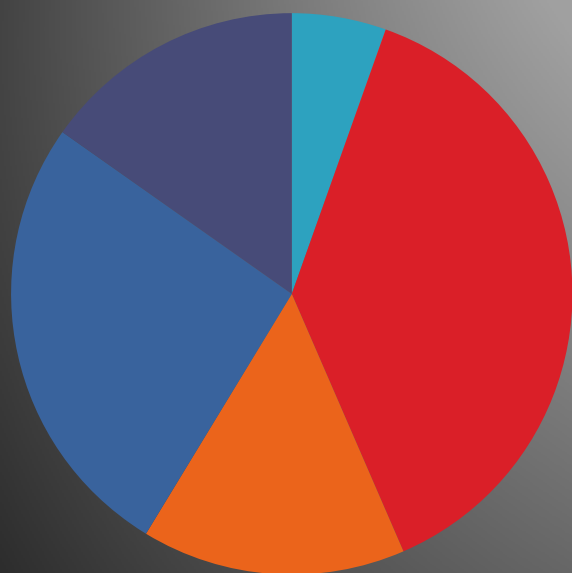
→ Dacron or Mylar

Results of the questionnaire

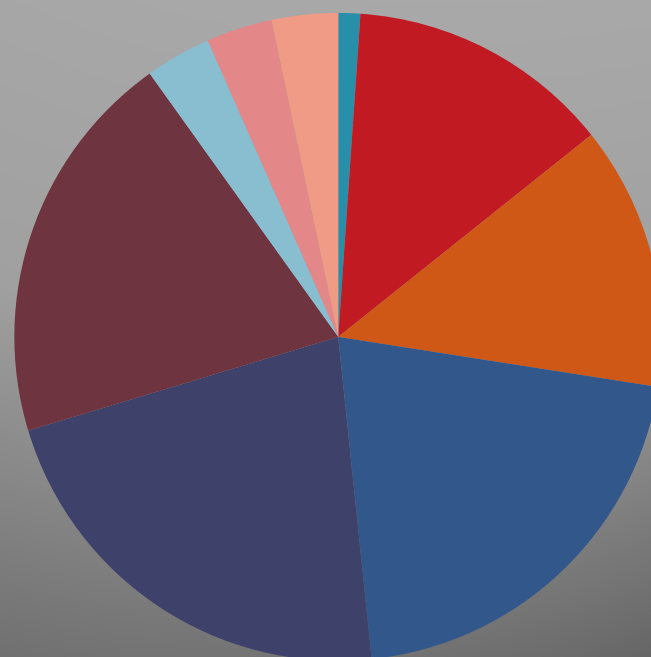
- ▶ Age
- ▶ Nationality
- ▶ How do you like the look of the Mylar mainsail compared to the current dacron mainsail?
- ▶ The mainsail could be framed by a uniform color, e.g. blue, to achieve a uniform look of the Vaurien Class. Similar “class colors” can be seen in the 29er (pink) or 49er (yellow) classes. What do you think of this idea?
- ▶ The current price for a mainsail is about 550 €. How much may a Mylar cost, so that you would buy a Mylar mainsail for your next mainsail?
- ▶ How often do you buy a new mainsail?
- ▶ When do you plan to buy your next mainsail?



Age & Nationality

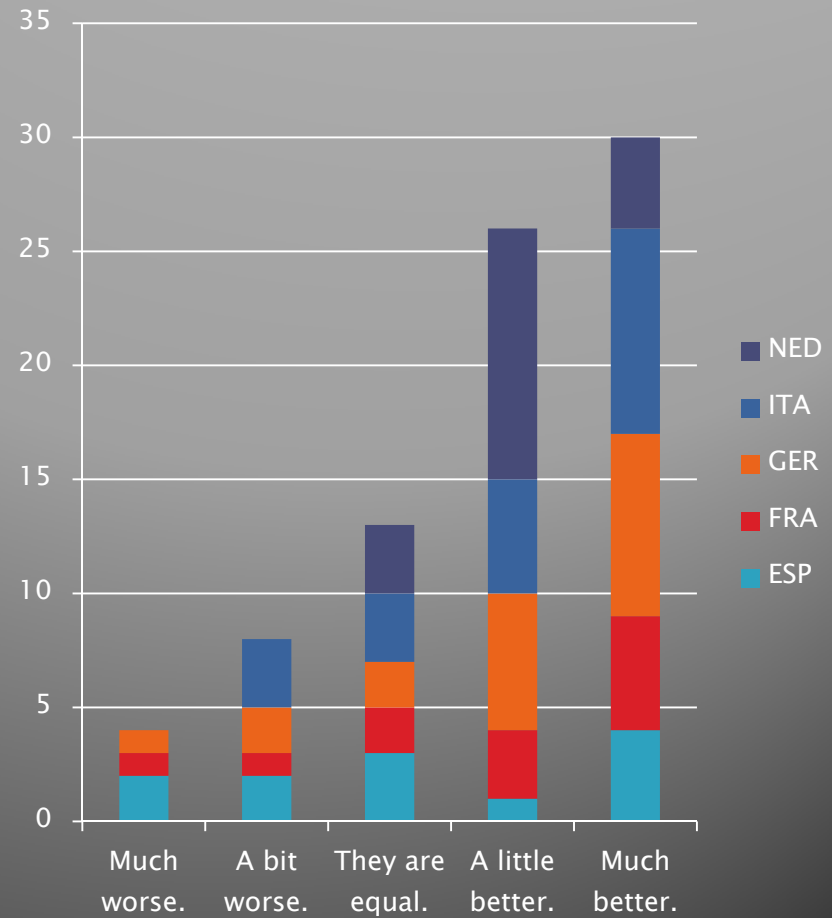
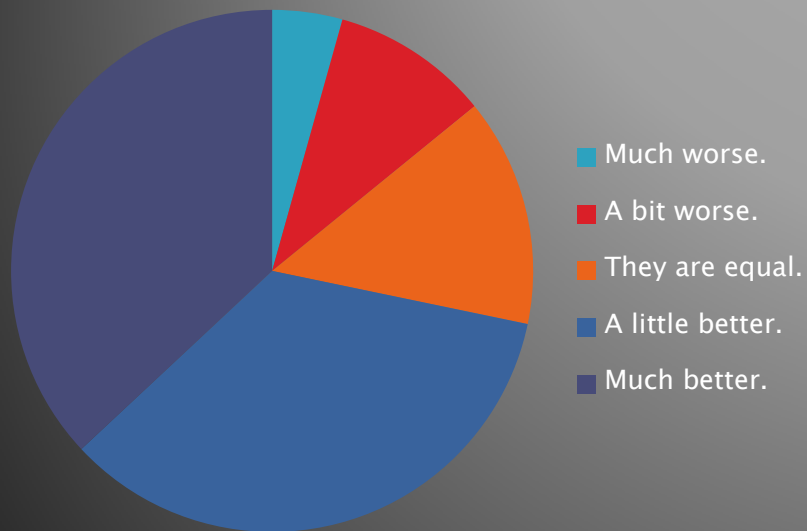


■ 15 years or younger
■ 16-25 years
■ 26-35 years
■ 36-45 years
■ 46+ years

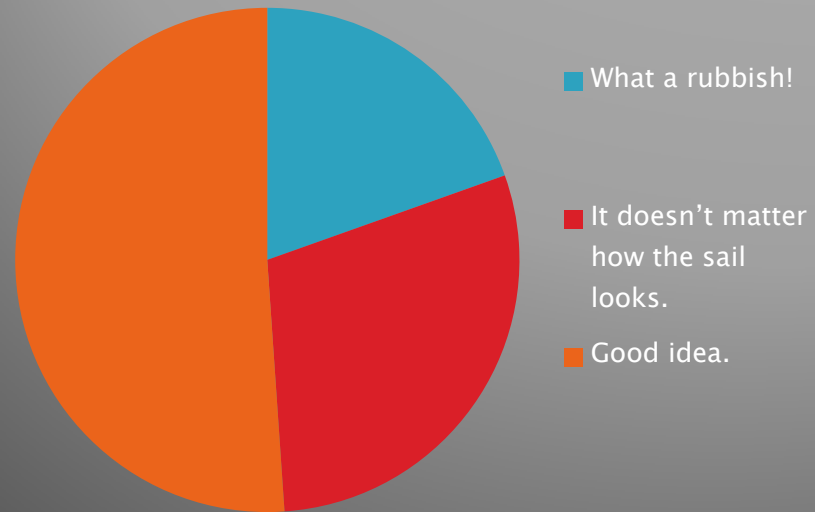


■ BEL
■ ESP
■ FRA
■ GER
■ ITA
■ NED
■ POR
■ CZE
■ Other

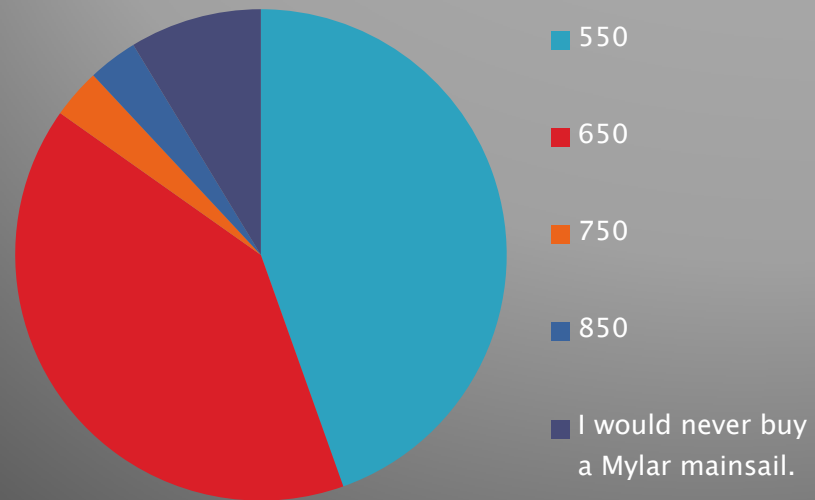
Look of the Mylar mainsail



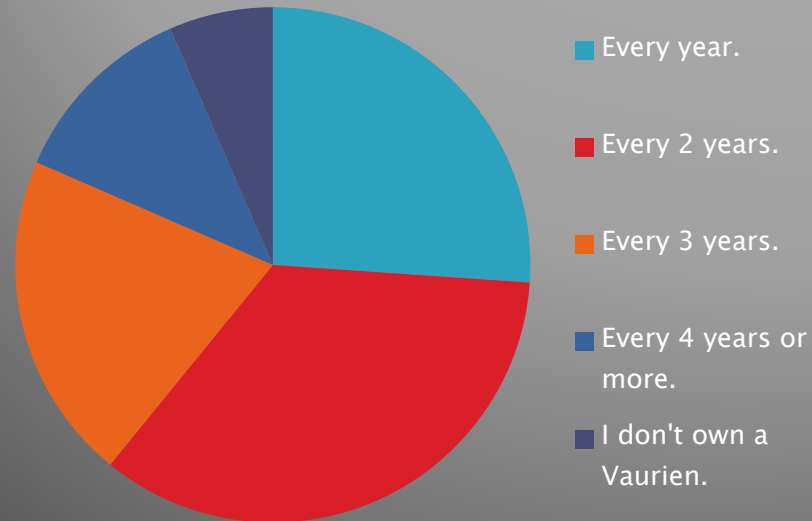
Uniform color



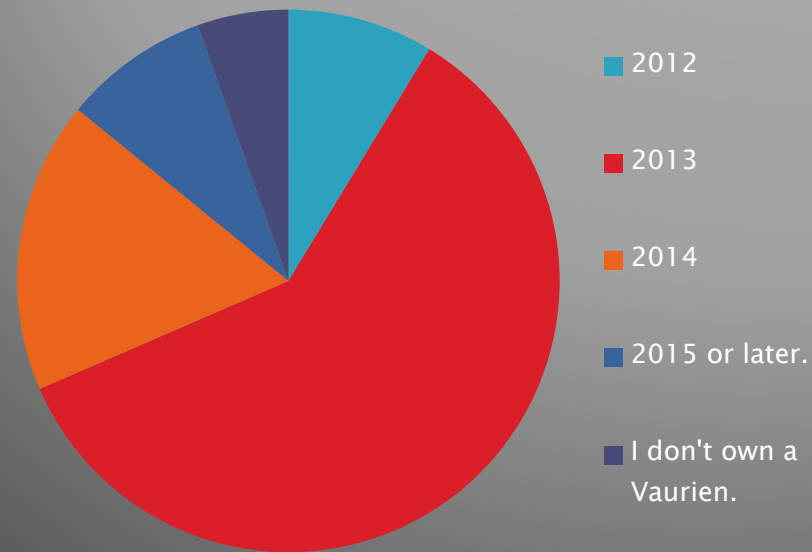
Maximum price



How often do you buy a new mainsail?



When do you plan to buy your next mainsail?



Final remarks

- ▶ Cheaper for racing
- ▶ Safer
- ▶ Modern appearance
- ▶ Developement for the future
 - Not for current sailors
 - We already are sailing the Vaurien
 - But for future sailor
 - Attract new sailors to the class



To be considered...

- ▶ Price
 - Survey of other classes → Mylar ~ 1,2 x Dacron
- ▶ Weight should be the same as dacron sails!
- ▶ Decision
 - By CIV?
 - By sailors?
- ▶ Possible introduction
 - 2014
 - 2015
 - Later?

