

# ADVANCED USER MANUAL



## SECTION 5: TOPDECK STIFFNESS

Car / class: 411 Eryx / 1/10 electric on road

### INTRODUCTION

- **Definition:** Generally the complete chassis structure should be as rigid as possible for handling reasons. The more rigid the more it will allow the suspension and tyres to work. However in the real world this theory does not always work.
- **Serpent S411 Eryx different topdecks advantages:** For the Serpent S411 Eryx, Serpent has three different topdecks which makes it possible to change the torsion properties of the complete car. In this way you can adapt your car to all the different types of track, such as carpet or asphalt, low or high grip and open or tight tracks.

### STANDARD TOPDECK

**#401495**

**Topdeck carbon 2mm  
flex**



### OPTIONAL TOPDECKS

**#401563**

**Topdeck carbon  
1.75mm**



**#401431**

**Topdeck carbon  
2.5mm**



### WHEN TO USE EACH TOPDECK

#### TOP DECK CARBON 2mm FLEX #401495

- *It works good in most of the conditions*
- *Good compromise between good steering and good overall grip*
- *Use mainly with ALU and 2.25mm carbon chassis.*

#### TOP DECK CARBON 1.75mm #401563

- *More initial steering due to more flex*
- *Best topdeck for stock-class cars*
- *More corner speed*
- *Use mainly with 2.25 and 2mm Carbon Chassis*

#### TOP DECK CARBON 2.5mm #401431

- *Use in high grip tracks*
- *More stable car due to less flex*
- *Use mainly with ALU Chassis*
- *Less traction roll*



### TEAM DRIVER COMMENT

- **By Viktor Wilck (Top driver 1/10 Touring car EP, Serpent tester and developer)**  
I usually use the standard 2mm Topdeck in my modified S411 Eryx. However sometimes I need to be able to adapt my car to different surfaces and grip conditions and setup changes are not enough. So I always have ready the 1.75 and 2.5mm Topdecks! Also in stock-class cars the 1.75mm Topdeck works best, giving more corner speed and more overall grip in this changeling scale! More flex with each of the topdecks can also be achieved by not using all screws to fasten the topdeck. Can be either front or rear, and center screws. Its fast and easy to experiment with, if conditions require it.