



FLUOROCARBON

CASE STUDY

F-LON® 5000

LOW FRICTION COATING IN THE FORMULA ONE INDUSTRY

AT A GLANCE 

Industry: Formula One
Product: Tyre Aerofoil

F-LON® 5000 is an excellent Low Friction coating. It also exhibits high level of hardness and heat dissipation.



THE CHALLENGE

The client requested a solution to issues in regards to adhesion of the soft compound tyre rubber and road debris to carbon fibre bodywork aerofoil.

THE SOLUTION

We coated the aerofoil in F-LON® 5000, a low friction, low cure, non-stick PTFE based fluoropolymer to prevent the soft compound rubber, when shed from the tyre, from sticking to the carbon fibre bodywork aerofoil.

This solution helped reduce possible increased weight and poor aerodynamics of the body of the vehicle.

BENEFITS

Benefit One

Debris sticking to the bodywork aerofoil prevented.

Benefit Two

Possible weight increase and poor aerodynamics reduced.