

# TEKNOFIBRA

[Teknofibra](#) is pleased to announce our presence to [Birmingham Autosport Engineering Show 14th & 15th January 2016](#) at the [hall 9 stand E598](#) . Our technical and commercial specialist will be there for discuss your thermal management needs



This amazing SCG003 by Scuderia Cameron Glickenhaus is fully equipped with Teknofibra. As you can see all the area near the exhaust, the firewall and the carbon fiber chassy is covered by [Teknofibra](#).



[Teknofibra](#) is a very light weight material, heat reflecting, heat absorbing, sound absorbing, adhesive. This unique material protects parts mounted in close proximity to high temperature that would otherwise be damaged without proper protection. [Teknofibra](#) is produced in standard size, or realized to customers drawing. [Teknofibra](#) has been created and underwent a performance tests at our [engineering labs](#). Our company specialized in the field of acoustics and energetics engineering, industrial, environmental and building. Our competence and the experience matured on racing, have ensured to [Teknofibra](#) thermal and acoustics performance that until today any other insulator is not able to give.

The short fibers of carbon that have been stabilized at the origin, are widely used in the field of aeronautics. These fibers are particularly used for all of the padding for the seats, moreover such as insulation and sound absorbing for the following [unique characteristics](#):

- Totally non-toxic and physiologically safe
- Does not burn
- It does not produces emissions toxic or harmful in case of fire
- Absorbs a high amount of moisture

Teknofibra is provided with a coating that is heat-reflecting/low-emissivity on one side and with the application on the opposite side of a special adhesive resistant up to 250° C. For the realization of Teknofibra, the short fibers of carbon undergo an innovative process, which enables this fundamental improvements:

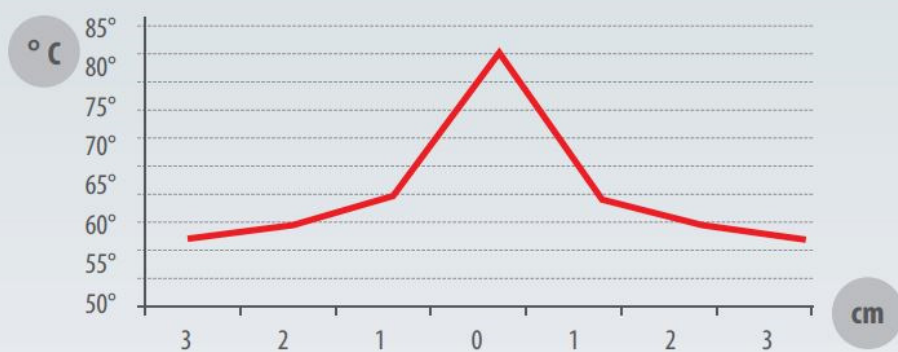
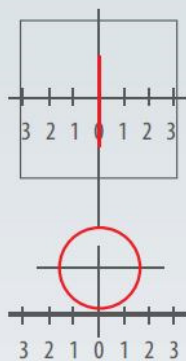
- A significant reduction of the apparent density
- The reduction of the thermal conductivity from 0.4 to only 0.029
- A substantial increase in acoustic performance

## TEKNOFIBRA CONTACT

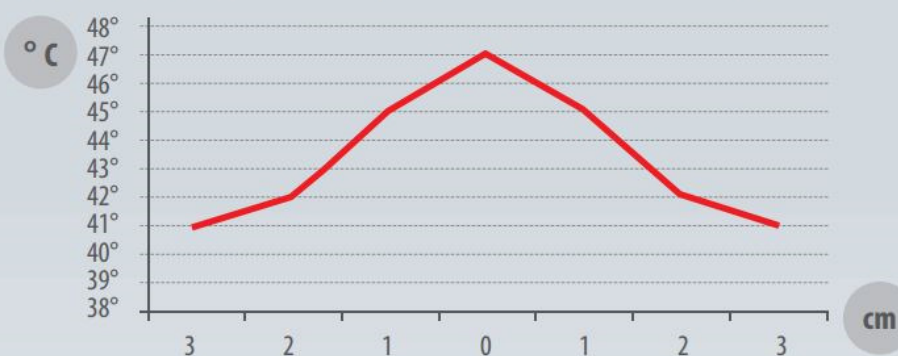
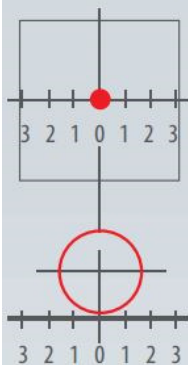
[DISTRIBUTION OF THE TEMPERATURE](#) ON A LAMINATE PROTECTED BY [TEKNOFIBRA CONTACT](#) IN DIRECT CONTACT WITH AN EXHAUST PIPE AT A TEMPERATURE OF 800 °C

[Teknofibra Contact](#) , is a heat reflective adhesive rigid support, designed to protect parts in direct contact with high temperatures. In the image the verification test of the behaviour of a sheet of composite material that isprotected by [Teknofibra Contact](#) and placed in contact with a body at a temperature of 1000 °C.

## LINEAR CONTACT - Cylindrical thermal diffusion



## PUNTIFORM CONTACT - Hemispherical thermal diffusion



## DISTRIBUTED CONTACT - Flat thermal diffusion

