



Science For A Better Life

Automotive Glazing

PC Cutting Trails done by German Fire and Rescue Service (initiated by VDA)

2011-11-21 Dr. Frank Buckel

Fire and Rescue Service

cutting trails using PC front screens (police bus)

Background information:

The trails with polycarbonate windscreens from KRD took place on 2010-07-30 at the fire and rescue service Wiesbaden and were initiated by the VDA task force „rescuing accident victims“.

Results:

...cutting of polycarbonate is possible without problems using the current fire and rescue service tools ... utilizing however different tools compared to glass. ...

Finally, in the view of the fire and rescue services there is nothing to be said against the use of polycarbonate glazing in vehicles.

(translated from Heyne et al BrandSchutz 2011, 8, 594ff)



...different compared to glass. ... spring center punch, glass saw or Hooligan tool (special forcible entry tool) are not useful...



Fire and Rescue Service

cutting trails using PC front screens (police bus)



... pendulum jigsaw, twin saw, cut-off grinder and hydraulic cutter can be used without any difficulty to cut polycarbonate glazing. ...

... also cutting trails under strain to simulate an accident situation were performed ...





Fire and Rescue Service

practical experience with PC front screens (police bus)

Advantage of the break-proof polycarbonate
(accident of police bus with polycarbonate
glazing in Augsburg, Germany)



... polycarbonate glazing remains intact
during and after the crash.



...during the
rescue work it
was possible to
remove the
intact PC wind-
screen from
KRD in one
piece.



This information and our technical advice - whether verbal, in writing or by way of trails - is based on the state of the art of our technical knowledge. The information is given without any warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided - especially that contained in our safety data and technical information sheet - and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with current version of our General Conditions of Sale and Delivery.



Thank you!

Dr. Frank Buckel

PCS - Global Innovations

Tel.: +49 214 30 40353

frank.buckel@bayer.com