



the difference is {everything}

Press Release

FIL8144
November

FILTRONA RELEASES FINDINGS OF RESEARCH INTO SUPER SLIM CARBON FILTERS AS FREE DOWNLOAD

Filtrona Filter Products has made available on its website the findings from its research into the effect of carbon weight and smoking regimes on Super Slim carbon filters. The study, conducted by Dr Mike Taylor and Anthony McCormack at the Filtrona Technology Centre, looks at how the higher smoke velocities in Super Slim cigarettes affect the performance of carbon in a Super Slim carbon filter. The research concludes that carbon is still effective when tested using intense smoking regimes or in Super Slim products. Those wishing to review the research paper in full can download it for free via: <http://www.filtronafilters.com/2009ResearchPapers.htm>

Smoke velocity is considered an important parameter governing the performance of filters for both particulate retention and vapour phase adsorption. In Super Slim cigarettes, the lower circumference means that smoke velocities passing through the filter are much higher than in standard circumference cigarettes. In order to study the effect of this higher smoke velocity on Super Slim carbon filters, the Filtrona Technology Centre compared the performance of two different activity carbons using two different smoking regimes for the retention or yield of a range of smoke vapour phase compounds in Super Slim filters. Carbon weights in the range of 15 to 90mg per filter were studied.

The research concluded that the general effect of carbon in filters is to reduce harmful smoke compounds and that carbon retains its ability to effectively adsorb smoke compounds over the range of smoke velocities encountered in cigarette filters, at least up to the approximately 150 cm/sec velocities found when using Super Slim products and intense smoking regimes. The research also found that the minimum



the difference is {everything}

weight of carbon required varies according to the compound used, the cigarette's circumference and the smoking regime used but, as an example, approximately 30mg of standard activity carbon is needed in a Super Slim filter to reduce the level of the selected vapour phase compounds by 50%.

- Ends -