



Silcarbon
activated carbon

**ACTIVATED CARBON FOR
DECOLORIZING LIQUIDS**

SILCARBON ACTIVATED CARBON FOR DECOLORIZING LIQUIDS

Used in the food industry



Silcarbon powdered activated carbon CW20
Many liquids have an improper coloring that has to be removed. A correction can be achieved by addition of activated carbon. But not every carbon can do the job. The decolorizing capacity of an activated carbon is based on the dispersion of its pores. The dispersion is mainly determined by the number of macropores.

Silcarbon CW 20 has an extraordinary large number of macropores. Therefore its decolorizing capacity is very high.

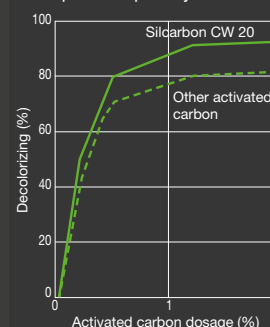
Practice shows that each decolorization problem is different. Therefore lab tests will be necessary to determine the right quantity and the optimum contact time of the activated carbon. Diagram A shows that a larger dosage of activated carbon affects better decolorization of the solution. Overdosing only shows negligible improvement.

Best results are obtained working in the area of the sharpest curve. In the same way the optimum contact time of liquid and activated carbon may be determined. Diagram B shows that exceeding a certain contact time does not affect a real improvement of coloring.

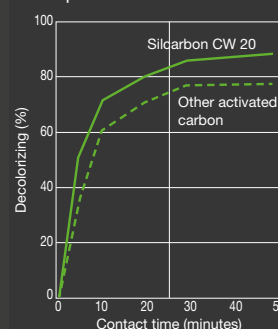
So the best solution for your decolorization problems is the use of Silcarbon CW 20 activated carbon because of its large specific surface area resulting from the large number of macropores. This also reduces the required quantity of activated carbon to a minimum and shortens the contact time to achieve a satisfactory decolorization.

As a granular activated carbon with the same decolorizing qualities as Silcarbon CW20 we can supply our Silcarbon TC303 in size 0,5 - 2,0 mm. The granular carbon is filled into filters that are delivered and serviced by Silcarbon professional personnel to your factory.

A - optimum quantity



B - optimum contact time



Head office:
Silcarbon Aktivkohle GmbH
Mühlenweg 15 · 57399 Kirchhundem, Germany
Tel.: +49 2764 9351-0 · Fax: +49 2764 935124
info@silcarbon.com

www.silcarbon.eu



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