

## Silcarbon TH90extra

**Silcarbon TH90extra** is a high activity pulverised activated carbon product with a very high adsorptive capacity needed for applications in food, beverage, pharmaceutical and chemical industry. Silcarbon TH90extra gives excellent performance when adsorbing high molecular weight organic compounds like proteins or large colour bodies. It has a low ash content which makes it a preferred product for high purity applications or where low pH solutions are encountered. Another speciality of TH90extra is the high water content. This high water content improves the dosing characteristics of the product.

### Applications

Silcarbon TH90extra is used in many applications in the food and chemical industry. Some typical applications are:

- Decolourisation of sugar liquors
- Correction of colour and flavour defects in beverages
- Decolourisation of alcohol
- Inorganic and organic acid purification
- Solvent purification
- Pharmaceutical purification
- Chemical intermediate purification
- Removal of colour in waste water applications

**Table 1: Technical characteristics of Silcarbon TH90extra**

Specification	Specified values
Appearance	fine black powder
Fineness	approx. 80 % < 45 Micron
Water content, as packed	approximately 35 %
Ash content	4 % max.
Sulphides	not detectable
pH-value	5 - 7
Iodine number	> 900 mg/g
Specific surface area (BET)	approx. 1100 m <sup>2</sup> /g
Methylene blue adsorption	> 160 mg/g
Standard packing	20 kg paper bags

### Silcarbon Aktivkohle GmbH

Over the year Silcarbon Aktivkohle has gained extensive experience in the field of adsorption technologies. Silcarbon Aktivkohle is dealing with a huge range of pulverised, extruded and granular activated carbons, including acid washed and impregnated products for use in special applications.