



CARBO UA
INTERNATIONAL

Product Data Sheet:

Wastewater treatment: Colour removal in Textile wastewater

Product: TX-7

Carbo-UA product **TX-7** is a carbonaceous adsorbent specifically designed for superior colour removal in the wastewater produced from Textile dye processing. CarboUA **TX-7** possesses the unique ability to break down and adsorb the dye colourants, instead of the conventional polymer treatments that precipitate the dye out of the wastewater. The unique action of **TX-7** enables the major advantage of removing the wastewater colour without generating the large amount of solid waste that is typical when polymers are used to treat the wastewater. Therefore **TX-7** does not require a separate decantation / settling operation prior to discharge of the wastewater, and **TX-7** greatly reduces or eliminates the costs of hauling solid wastes away from the Textile plant. And since the product is simply added to an existing point in the Textile waste discharge process, there is no extra process time and little or no capital equipment required to take advantage of the powerful decolourisation properties of **CarboUA TX-7**.

General Specifications

Dye Removal Capacity: 1,000 minimum (Δ Absorbance @ 520 nm method)

Δ pH: ± 1.0 of wastewater pH

Density: 1.2 – 1.5 kg/L

Appearance Free-flowing powder, black to grey

Method of Application:

Carbo-UA **TX-7** is dosed as a free-flowing powder somewhere close to the wastewater discharge. **TX-7** should be allowed to mix well into the wastewater, and should be added so that approximately 10 minutes of contact time is achieved prior to the wastewater discharge point. **TX-7** is best added as a continuous solids dosing, but can also be added as a batch-contact directly into a tank with stirring. The optimum dosage of **TX-7** is 100 – 150 ppm for most wastewater applications.

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General specifications for dye removal capacity and pH are based on performance on a dye wastewater simulation of Carbo-UA's selection. Customized product specifications on individual customer's wastewater can be tailored to insure performance consistency on an individual customer basis.

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