DEEP BLACK ORGANIC DYE

**Description**
The Deep Black organic dye is a homogeneous 15-18% aqueous or a stable water-ethylene glycol suspension of Termoks P 161 industrial carbon with additives.

**Technical specifications**
- size of dispersed particles: less than 1 µm
- hydrogen ion exponent (pH): 8-10
- no foaming agents

**Technical appraisal and economic benefits**
The dye has a high coloring power, which allows a 20-25% decrease in its concentration during dyeing compared to domestic and foreign analogs.

**Application areas**
The Deep Black organic dye is intended for the stuff dyeing of polymers, for example, alpha-cellulose in the production of viscose rayon fiber and cellulose acetate in the production of diacetate fiber from a water-acetone medium, for the dyeing of paper pulp and mortars, the production of writing and printing inks, coloring agents, water-based paints, and constructional compositions based on cement binders.

**Development stage**
Design and engineering documentation on a plant for the production of the dye with a capacity of 3 tons per day.

**Patent situation**
Patents were granted in the Russian Federation.
Know-how is available.

**Commercial offers**
License agreements, know-how contract.

**Estimated Cost**
The estimated cost of a license is 1.5 million rubles.

**Contacts**
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