



NATURE
COATINGS

Bio-Black^{tx}

The cleanest black
pigment on Earth

Technical Data Sheet

Product: BioBlack TX (previously NCI 30-7-C+)

100% BIO BASED PIGMENT DISPERSION

Aqueous pigment dispersion for aqueous coatings and printing inks.

PRODUCT DATA:

Composition

Water-based dispersion of wood-based carbon pigment.

Typical Properties

Carrier:	Water
pH:	9.5
Viscosity:	50-500 cP
Pigment content:	30%

Storage and Transportation

Keep container fully closed when not using. Dispersion will dry out on top if left open. Do not store at or below freezing. The dispersion could be permanently damaged if frozen.

Applications

Textile printing and coatings; packaging printing; paint.

Special Features and Benefits

Is easily dispersed into clear, water based print pastes and coatings formulas. Is compatible with multiple binders. Can be used as a direct replacement of other carbon black dispersions. Can have improved crocking and washing performance. Does not fade in UV light. Has no detected Polycyclic Aromatic Hydrocarbons (PAHs) and contains 100% bio-renewable content as determined by 14C analysis, according to ASTM D6866-16.

This information is based on our current information and experience and does not guarantee properties or performance in a legal sense. We recommend testing our dispersion for your individual desired outcomes.

TECHNICAL DATA SHEET

Recommended Uses

Screen printing, rotary printing, foam coating, knife coating, padding, continuous pigment dyeing, flexo and gravure printing BioBlack TX is recommended for any aqueous formula where petroleum carbon black pigment is already being used. It is only for water-based formulations.

Recommended levels based on weight

Screen printing: 7-8%

Leather and PU coatings: 20-30%

Flexo printing: 40-50%

Spray Coating: 1 part pigment dispersion; 1 part binder; 2-3 parts water

The above levels are suggestions. Optimal levels for specific shades, applications and performance need to be determined through a series of laboratory tests.

Incorporation and Processing Instructions

Gently stir dispersion before use. Pigment dispersion should be added slowly and under stirring to print paste, coating formulations or other mixtures. Be advised not to add foam by over mixing or high-speed stirring.

The pigment might agglomerate under a pH of 9. It is suggested to add the dispersion into a print paste or coatings formula with a pH of between 9-10.

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