

Technical Data Sheet

Electrical Insulation

CONAP[®] DS-1830 Series

Color Concentrates



chemical-concepts.com

800.220.1966

CONAP® DS-1830 Series

Product Description

CONAP® DS-1830 Series are color concentrates for use with epoxy and polyurethane systems.

Areas of Application

Modification of resin systems used in electrical potting, casting or encapsulation.

Features and Benefits

- High compatibility with most epoxy and urethane systems
- Heat-stable pigments
- Improved heat and light resistance

Application Methods

- Hand-mix Bench Potting / Casting
- Mechanical-mix Bench Potting / Casting

Transportation / Storage

Store below 25°C / 77°F in a dry controlled environment out of direct sunlight. This material should be suitable for use stored under these conditions in the original sealed containers for twelve (12) months from the date of shipment.

Failure to store the product as recommended above may lead to deterioration in product performance.

These products are sensitive to moisture and atmospheric humidity. Containers, once opened, should be used immediately or blanketed with dry air or nitrogen (CONAP® Dri-Purge) before resealing.

Mix product thoroughly before use

Health / Safety

Refer to the Safety Data Sheet.

Product Identification

Product	Color	Pigment Concentration
CONAP® DS-1831A	Red	15%
CONAP® DS-1832	Black	18%
CONAP® DS-1832 AP	Black	18%
CONAP® DS-1833	Blue	50%
CONAP® DS-1836	White	40%

Regulatory Information

Property	
RoHS Compliance	CONAP® DS-1831A, DS-1832, DS-1832 AP, DS-1833 and DS-1836 comply with Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 (RoHS 2.0) as amended 31 March 2015.

CONAP[®] DS-1830 Series

Application

Epoxies:

Mix the color concentrate with the Resin (Part A) component or total mixed system.

Urethanes:

Mix the color concentrate with the Curative (Part B) component or total mixed system.

Mix the desired concentrate until all striations have disappeared and the material is homogenous.

Suggested mix proportions:

- A. For unfilled systems – Use 3 – 5 parts by weight of the color concentrate to 100 parts by weight of the base epoxy Resin or urethane Curative, or 2% – 4% by weight of the total mixed system.
- B. For filled systems – Use 2 – 3 parts by weight of the color concentrate to 100 parts by weight of the base epoxy Resin or urethane Curative.

The actual amount of color concentrate added will vary with the color utilized. Darker colors may require lesser amounts, while lighter colors may require larger amounts. Amounts greater than recommended above may have adverse effects to the final properties of the cured epoxy or polyurethane system.

The above properties are typical values and are not intended for specification use.

ELANTAS PDG, Inc. warrants the chemical composition of its products within stated tolerances, but does not guarantee that a product will be appropriate for any particular application. Any recommendation, performance of tests or suggestion is offered merely as a guide and is not a substitute for a thorough evaluation by the user. No representative of ELANTAS PDG, Inc. has the authority to offer a warranty that a product will perform satisfactorily in manufacturing an article and no such representation should be relied upon.

The user may forward, distribute, and/or photocopy this document only if unaltered and complete, and should refrain from any unauthorized use. This document may not be copied to a website without specific authorization from ELANTAS PDG, Inc.