



PHENOLIC HARDENER BASED ON BISPHENOL-A BCC 313

PRODUCT DESCRIPTION

BCC 313 is a Phenolic Hardener based on Bisphenol-A. BCC 313 is a type of curing agent that provides special properties at Cathodic Disbonding test and other properties such as fast curing, good mechanical properties, chemical resistance and high adhesion strength on prepared steel substrates required functional powder coatings application.

By using BCC 313 in fusion bonded epoxy powder coating formulation, Cathodic disbonding test result for 28 days and 65 °C is less than 4 mm.

PHYSICAL PROPERTIES

Appearance	Yellowish granules
Viscosity¹	250 – 280 (mPa.s) @25°C
Density	1.1 (gr/cm ³)
Ph-OH EW	240-260 g/eq
Gel time²	20-30 Sec
1	40% in butyl carbitol, Falling-ball, ISO 12058-1
2	25 PHR on solid epoxy resin (EEW=900-1000), @ 205°C according to ISO 8130-6

Recommended Ratio

Solid Epoxy Resin (EEW=500-600 g/eq)	42 PHR
Solid Epoxy Resin (EEW=900-1000 g/eq)	25 PHR
solid epoxy resin (EEW=1800-2000 g/eq)	12 PHR

Storage

BCC 210 should be stored in a cool and dry place, at temperatures not exceeding 18 °C.
Transportation conditions must remain below 25 °C Temperature

SAFETY

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult BCC material safety data sheets and follow all local and national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance.

Dust masks or respirators should be used in order to ensure that operatives do not breath in dust generated by resin, hardener or formulated powder coatings.

BCC Co.

Product data sheet Version 01
August 2023