

Specialty Primer
EDO BOSEI CBM
(Non-chromium type)

Product Summary

Edo Bosei High Solids is an eco-friendly, non-chrome baked-on primer based on modified epoxy resins, providing a higher build and better hiding power than our previous *Edo Bosei EBM Type*. *Edo Bosei High Solids* provides not only excellent adhesion, anti-corrosive properties, and strong resistance to water but also superior overcoatability with various kinds of baked-on finish coats. Designed to reduce topcoat absorption, the primer produces a good finish on the paint surface without loss of gloss.

Colors: CBM901 White, CBM301 Gray, CBM802 Black
Volume: 16kg

Functionality

- Excellent adhesion
Excellent adhesion to aluminum, stainless steel, zinc-coated steel, and other metals.
- Superior resistance to corrosion
Anti-corrosive property equivalent to that of a long-exposure wash primer.
- Low toxicity
Uses low-toxic anti-corrosive pigments (free of chromium) to ensure the health and safety of those working with and around the paint.
- Good finish
Overcoatability with various kinds of baked-on finish coats and less absorption of topcoat, resulting in a good finish on the paint surface.
- A broad range of baking temperatures
From low temperatures (at 120°C) to high temperatures (180°C)

Intended Use

Primer for aluminum, stainless steel, zinc-coated steel, and other metals.

Use and Application

- Mixing
Stir or shake well before use.
- Thinning
Thin up to 30-40% with Thinner 2500 . Adjust the viscosity to 15-18 seconds (at 20°C, Iwata Cup).

- **Setting**
Leave the primer at ambient temperatures for at least five minutes before top-coating or bake at 120-150°C for 10-20 minutes.
- **Baking conditions for the top coated film**
Follow the topcoat manufacturer's instructions. *Edo Bosei High Solids* is tolerant to a wide range of baking conditions (from 120°C x 20 mins. to 150°C x 30 mins.).
- **Coverage**
white,gray 90g/m² black 60g/m² (once diluted)

Film Performance

Test Item	Test Condition	Result
Bend Test	3mm (diam.), 180°, bend	Pass
Chip Resistance	Dupont impact tester: 500g, 40cm	Pass
Drawing Test	5mm (radius), 500g	Pass
Erichsen Test	Erichsen testing machine: 6mm extrusion	Pass
Adhesion	Cross-cut test: steel, aluminum, tin plate, stainless steel, and zinc-coated plate	100/100 Pass
Finish Coat Compatibility	Cross-cut test: polyester resin paint, melamine resin paint, and acrylic resin paint	100/100 Pass
Water Resistance	Immersed in tap water at ambient temperature for 240 hours	OK
Oil Resistance	Immersed in machine oil at 60°C for 16 hours	OK
Alkaline Resistance	Immersed in 10% sodium carbonate solution for 24 hours	Pass
Acid Resistance	Immersed in 5% sulphuric acid solution for 24 hours	Pass
Salt Spray Test	Salt spray tester: 5% NaCl solution at 35°C for 168 hours	OK