



ISO-9001  
ISO-14001



**KUKDO**  
December 1,  
2004

# KD-242G Powder Coating Epoxy Resin

## General Description

EPOKUKDO KD-242G is a standard solid Epoxy Resin derived from liquid Epoxy Resin and Bisphenol-A. The resin is recommended for the hybrid system in combination with polyester resin or straight epoxy system to obtain good gloss, mechanical properties and chemical resistance.

## Resin Properties

Item	KD-242G	Test Method
EEW(g/eq)	650-725	KD-AS-001
Melt Viscosity <sup>*1</sup> (cps)	2,000-3,500	KD-AS-008
Softening Point <sup>*2</sup> (°C)	85-95	KD-AS-020
Color(G)	0.7 max.	KD-AS-025

\*1 I.C.I Viscosity at 150°C

\*2 Ball & Ring Method

## Starting Formulation

Components	Part by Weight
KD-242G	300
CC-314 <sup>*1</sup> (UCB)	300
Benzoin	4
MFP-VP	6
TiO <sub>2</sub> R902 (Dupont)	300
BaSO <sub>4</sub>	90

\*1 Acid Value : 65-75mgKOH/g

## Application Condition

Spraying gun	Corona charging
Spraying tension	60-80 KV
Film thickness	60-80 μm
Substrates	0.6mm cold-roll steel
Baking condition	180°C×15min

## Film Properties

Item	KD-242G	Test Method
Gloss(60°)	> 90	ASTM D523
Adhesion	100/100	ASTM D3002
Impact (Direct)	> 500g/50cm	ASTM D2794
(Reverse)	> 500g/50cm	
Erichsen	> 7mm	ISO 1520

## Storage

Keep dry and cool condition (under 25°C)

Keep away from heat sources and direct sunlight

## Packaging

PE bag of 25kg net weight

Super-sack(bag) of 500kg net weight