



Electrophoresis coatings on Unicla compressor clutches



200 series compressor clutch already using electrophoresis coating



New 330 series compressor clutch with electrophoresis coating and black appearance



330 series compressor clutch with previous electroplating and silver appearance

Introduction

Unicla is pleased to announce the electrophoresis process will be the preferred protective coating for all compressor clutches from October 2009. Unicla has utilised electroplating in the major part of the clutch range for over 30 years and electrophoresis was introduced into the 200 and 170 series compressors 10 years ago.

The decision to switch to electrophoresis for the complete clutch range is based on the environmental benefits of not having to deal with heavy metals such as lead, chromium and cadmium, plus other hazardous chemicals and waste associated with the traditional electroplating process.

General Information

Electrophoresis is a refined process used as an anti corrosion process in many modern applications and meets major industry standards as follows:

American Society of Testing and Materials (ASTMB117-73) specifies testing under salt mist conditions up to 720 hours. Visit: <http://www.ascott-analytical.com/ASTMB117/>

National Standards P.R China (GB/T1740) requires humidity testing up to 1000 hours. Visit: <http://www.sac.gov.cn/templet/english/>

Restriction of Hazardous Substances

(RoHS), also known as Directive 2002/95/EC, originated in the European Union and restricts the use of specific hazardous materials found in electrical and electronic products. All applicable products in the EU market after **July 1, 2006** must pass RoHS compliance. For the complete directive, see **Directive 2002/95/EC of the European Parliament**.

The process used by Unicla is '*negative pole electrophoresis*' which produces a much stronger coating surface and is up to 5 times more resilient to corrosion than electroplating. The difference to notice on Unicla clutches will be the black colour instead of silver or 'plated' appearance. There is no other change in design or function to any of the clutch models. Please contact us if any further information is required.



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