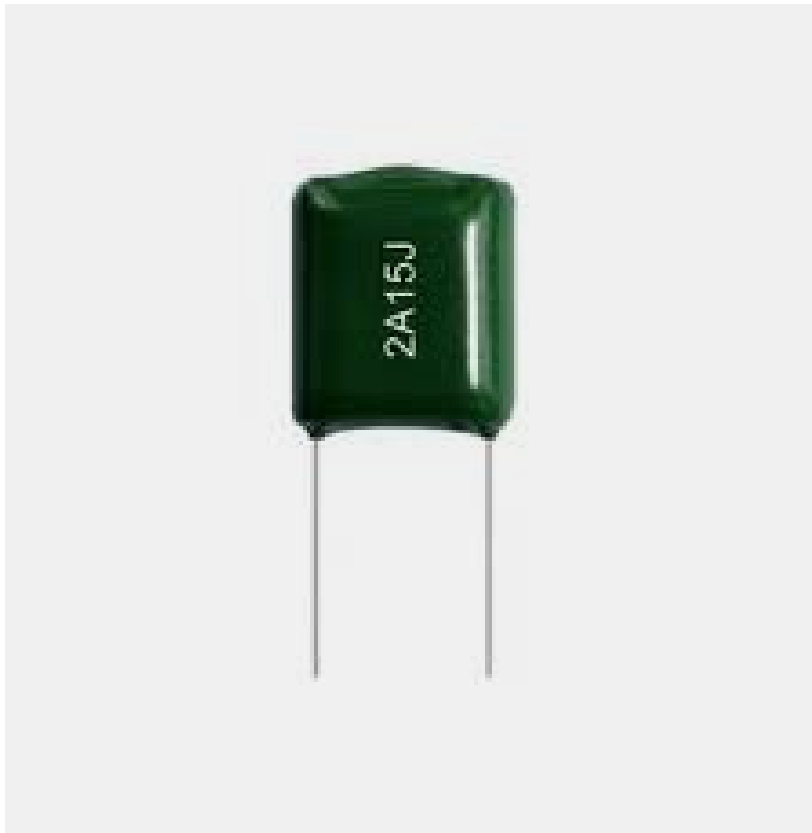


Application Guideline  
for  
**Capacitor Coating**

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**1. Recommended ELANTAS Insulation systems**

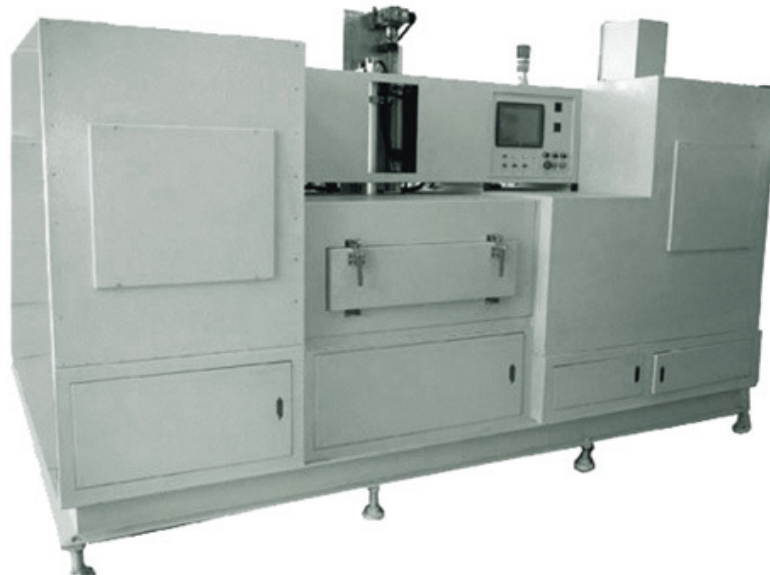
<b>Systems</b>	<b>Distinctive Features</b>
Shimokote E 39 A (...) / Hard.E 39 B / Diluent M	Thixotropic, Long Pot Life, Liquid Dip Coating EP System , Heat Curing

(...) – Product is available in Brown & Orange colour

## 2. Application Method: Liquid Dip Coating

- In pre-filled products it is good practice to re-homogenize the material by stirring before use.
- To get required thixotropy, Add recommended quantity of aerosil in resin component by mixer and then pass through triple roller mill.
- Transfer the processed Resin (Resin +Aerosil) to the mixing pot and add recommended quantity of Diluent M, mix carefully at ambient temperature till mixture becomes homogenous.
- Then add proportionate quantity of Hardener and mix carefully at ambient temperature till mixture becomes homogenous.
- Degas the entire mixture in the vacuum chamber for 15-20 min till system becomes clear(Bubble free)
- Charge this final mixture in the dipping tray on the dipping machine.
- Start the dipping process under vacuum at recommended dipping & removing speed.
- Transfer these coated capacitors in the air circulating oven for curing.
- Follow the suggested curing schedule. ( Refer Sr.No-4)

## 3. Known equipment manufacturers



1. Jingyan Automation machinery Co., Ltd.China.
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#### 4. Recommended curing schedule:

Products / Systems	Curing Schedule
Shimokote E 39 A(...) / Hard.E 39 B / Diluent M	2 hours at 120°C

#### 5. Do's:

- Always store the Resin & Hardener & Diluent under shed as received.
- The Resin, Hardener & Diluent must be kept away from any exposure to humidity.
- Stir the pre-filled resin part before use.
- Ensure that the lids of Resin, Hardener & Diluent containers are closed tight after use.
- Work place should be clean and well ventilated.
- Workmen should wear protective goggles and gloves.
- Workmen wash their hands with soap & water on completion of job.
- In case of splashes in eyes, wash with plenty of water & take immediately medical help.

#### Don'ts:

- Avoid storage outside.
- Resin, Hardener & Diluent should not be stored together.
- Don't keep Resin, Hardener & Diluent containers open.
- Don't inhale the Hardener & Diluent.
- Do not eat at work place.

#### 6. Technical Data Sheets (TDS) and Material Safety Data Sheets (MSDS)

TDS & MSDS of relevant products will be available upon request.

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## 7. Company Profile

ELANTAS Beck India Ltd. is a group company of ELANTAS Electrical Insulation Division of ALATNA AG, Germany, an International Specialty Chemical Group currently having 42 operational companies and 46 application and research laboratories worldwide.

In 2006, ELANTAS Beck India completed 50 years of operations in India. The company manufactures a wide range of specialty chemicals for electrical insulation and construction industries. In pursuit of ALTANA's global commitment, ELANTAS Beck India develops new products and processes to meet the changing needs of customers; and utilizes its strengths effectively to be MANUFACTURERS OF RELIABILITY.

Our leadership status ensures we translate our leading technological capabilities and consistent quality standards to the advantage of our customers through contemporary and reliable products and solutions.

Our wide products profile is well supported by comprehensive Technical Service, and an All India Authorised Distributor Network.

ELANTAS Beck India Ltd. has been accredited with the International Quality Management System ISO 9001:2000, Environment Management System Certification ISO 14001:2004 and Occupational Health & Safety Management System BS 18001: 2007.

## 8. Manufacturing sites in India



Pimpri, Maharashtra



Ankleshwar, Gujarat

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