

Application Guideline  
for  
**Cable Joint**

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**1. Recommended ELANTAS Insulation systems**

| <b>Systems</b>                    | <b>Distinctive Features</b>  |
|-----------------------------------|--|
| Shimocast 101 + Hardener IS 32    | Filled, Low Viscosity, Flexible, PU Cable Jointing System, RT Curing         |
| Shipal 40 + Hardener IS 32        | Filled, Rigid, Good Chemical Resistance, PU Cable Jointing System, RT Curing |
| Shimocast 101 M2 + Hardener IS 32 | Filled, Medium Viscosity, Flexible ,PU Cable Jointing System, RT Curing      |

## 2. Application Method:

### 1. Cable jointing (Manual):

- In pre-filled products it is good practice to re-homogenize the material by stirring before use.
- Take Resin component and add proportionate quantity of Hardener and mix carefully till mixture becomes homogenous.
- Do not mix vigorously to avoid air trapping.
- Pour the mixed component slowly from one opening in the pre assembled cable joint.
- Follow the suggested curing schedule. ( Refer Sr.No-4)
- After complete curing it provides good adhesion and is suitable for primary or secondary insulation up to a continuous operating voltage of 12kV.

## 3. Equipments for Application



#### 4. Recommended curing schedule:

| <b>Systems</b>                    | <b>Curing Schedule</b> |
|-----------------------------------|------------------------|
| Shimocast 101 +Hardener IS 32     | 16 -24 h at 25°C       |
| Shipal 40 + Hardener IS 32        | 16 -24 h at 25°C       |
| Shimocast 101 M2 + Hardener IS 32 | 16 -24 h at 25°C       |

#### 5. Do's:

- Always store the Resin & Hardener under shed as received.
- The Resin & Hardener must be kept away from any exposure to humidity.
- Stir the pre-filled resin part before use.
- Ensure that the lids of resin and Hardener 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 should not be stored together.
- Don't keep Resin & Hardener containers open.
- Don't inhale the Hardener.
- 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 ALATANA'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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