



1.0 Description:

- EPASTE is three-component solvent free Non sag epoxy paste.
- Excellent adhesion to various kinds of substrata.
- Excellent workability

2.0 Uses:

- Paste for Smoothing substrate; cement, concrete class (A), wood, prior to epoxy painting for concrete structures.
- Prior to Epoxy laminating or paints.
- Adhesive for tiles, ceramic, timber and steel in special application.

3.0 Approval & Certification:

Soid content	: ASTM D2369
Wet Density	: ASTM D1475
Impact Resistance	: ASTM D2794
Pull Off Strength	: ASTM D7234

4.0 Colours:

Shall be produced in different colours according to color chart or as required.

5.0 Product Data:

Soid content	: 99±1 %	
Wet Density	: 1.88	gm/cm ³
Impact Resistance	: No cracks under impact of 0.5kg , 1.0kg from height 10cm	
Pull Off using EPICHOR 101P	: 2.24	N/mm ² Failure mode A

Notes:

- All above data is for the final mixed components.

6.0 Film thickness per coat:

Wet Film Thickness	: 80 -130	microns
Dry Film Thickness	: 80 -130	microns
Consumption (R+H)	: 150 - 250	gm/m ² /coat

7.0 Surface Preparation:

For Concrete floor Substrate:

- Substrate shall be Reinforced concrete with dimension and steel reinforcement suitable for the expected loads.
- Stress shall not be less than 300 kg/cm² or according to project specification.
- Expansion & contraction joints shall be suitable to concrete slab dimensions and filled with the suitable joint sealant.
- Application of Expansion & contraction joints shall be put into consideration to make sure that it complies with the proceeding self-levelling epoxy coat.
- Suitable trowelling should be taken into consideration because:
 - Delayed Trowelling will force addition of excess water that shall cause separation of that above weak layer of cement + water.
 - Early trowelling will cause irregularities to the surface.



- Extra trowelling will cause extra smooth surface.
- If epoxy finishing is to be applied surface hardener, sprinkled cement shall not be applied while finishing the concrete surface, as it gives a smooth surface that reduces the adhesion of the epoxy layer to concrete and may cause separation.
- Curing concrete with water for minimum 7 days after casting.
- Deviation in levels of the concrete floor shall be within acceptable limits.

Preparation of Concrete Surface after curing:

- Substrate should be free of oil grease, dust, or any other dirt.
- Surface should be blasted using disc Grinder or similar equipment to increase the surface area for maximum adhesion of proceeding layers.
- All weak or separated layers in concrete should be removed.
- Repair damaged areas using Epoxy paste if below 0.5mm or Epichor1618 if above 0.5mm.

For Wall substrate:

- Substrate should be free of oil grease, dust, or any other dirt.
- All weak or separated layers in concrete should be removed.
- Repair any damaged areas using Epoxy paste or cement repairing mortar
- Smooth the Surface should be sanded.

Preparation of Surface for priming:

- In case of concrete substrate should be minimum 4 weeks curing.
- Moisture should not exceed 5%.

8.0 Application Methods:

1. Make sure that all above mentioned surface preparation has been accomplished.
2. Apply one coat primer epoxy EPICHOR 101P that completely penetrates the surface to increase the bond strength for coming layers.

Note: Proceeding steps should take place within 1 week of primer application otherwise, primer coat should be repeated.

3. Add EPASTE resin to hardener in a suitable container and mix well.
4. Paste the surface using 3 component epoxy paste EPASTE
5. Sand the Epoxy paste shall be accomplished using suitable machinery.
6. Repeat the previous 2 steps as needed after 24 hours
7. Substrate shall be cleaned using vacuum cleaner.

Note: Do not dilute EPASTE with any solvent

8. Clean all Tools using thinner.

9.0 Product mixing Ratio by weight:

Resin : Hardener	: 4.0 : 1.0	by weight
Resin + Hardener : Filling	: 1.0 : 1.0	by weight
Total Weight	: 3	Kg
Container	: Sealed pre weighed Steel Containers	



Notes:

- *The product components shall not be divided as total weight of each component shall be totally used.*
- *Slow Mechanical Mixing is recommended*
- *Mixed components should be transferred to a third container and remixing should take place to reach ultimate results*

10.0 Pot life, Drying and curing time:

Initial Curing Time	: 24	hours at 24 ⁰ C
Final Curing Time	: 7	days at 24 ⁰ C
Pot Life	: 60	min. at 24 ⁰ C
Walk on Time	: 48	hours at 24 ⁰ C
Recoating	: Duration between any two successive coats shall not exceed 1week otherwise, repriming should take place.	

11.0 Disclaimer:

- The information in this document is given to the best of our knowledge, based on laboratory testing and practical experience. We cannot guarantee anything but the above-mentioned quality of the products themselves. Minor product variations may be implemented to comply with local requirements. We reserve the right to change the given data without further notice. Users should always consult us for specific guidance on the general suitability of this product for their needs and specific application practices.
- Samples of any approved delivered materials shall be retested after delivery.
- These products are for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to our technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to our responsible representative for approval before commencing the work.

12.0 Handling of Epoxy Products:

- Avoid contact with eyes and skin. Emergency showers and eyewash stations should be readily accessible.
- Adhere to work practice rules established by government regulations.
- Use personal protective equipment.
- When using, do not eat, drink, or smoke.

13.0 Compatibility:

- Primers applied prior to specified product shall always be epoxy based products.
- For Floor Repairing and fixing defects, product shall always be epoxy based products
- For wall repairing and smoothing surface a cement based, or epoxy-based products can be used.
- Recoating can be epoxy or polyurethanes products.

14.0 First aid Measures:

- General advice: Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
- Skin contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible, to do so without delay. Initiate and maintain gentle and continuous irrigation.
- Take off contaminated clothing and shoes immediately.
- Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- Inhalation: Move to fresh air.

15.0 Storage:

- Store in steel containers, above ground, and surrounded by dikes to contain spills or leaks.
- Do not store in humid or extra hot weathering conditions.
- Keep containers tightly closed away from heat & in dry, cool, and well-ventilated place.