

TECHNICAL DATA SHEET: APCOFLOE EPOXY PUTTY

Two Components, Solvent based Epoxy Putty

PRODUCT DESCRIPTION

- A two-pack epoxy based putty, suitably designed to fill the undulations, depressions, bug holes, blow holes etc.
- On curing Apcoflor epoxy putty gives non shrinkable hard and strong layer of coating.
- On curing Apcoflor epoxy putty gives excellent mechanical strengths.
- Good oil-grease, water, chemical and abrasion resistance.

DESIGNED USE

- To fill undulations on Concrete Floors.
- To fill undulations on Concrete walls.
- Can be used with epoxy primers/epoxy topcoats on Steel structures also.

PHYSICAL DATA

VOLUME SOLIDS (Based on ASTM D2697)	92% ± 2%
TYPICAL DRY FILM THICKNESS	500 microns for Floor, 200 microns for Wall
WET FILM THICKNESS	550 microns (without dilution) for Floor
THEORETICAL COVERAGE	1.8 m ² /ltr. @ 500 microns DFT
COLOUR	Grey
FINISH	Matt
PACK SIZE	As per requirement

APPLICATION DETAILS

METHOD OF APPLICATION :

APPLICATION

The product can be applied by a trowel to the required thickness. The entire mixed material should be applied slowly and evenly for uniform deposition. The practical coverage would vary significantly based on the mixing, pot life, application technique – DFT deposition, surface profile of the substrate, this epoxy putty can be applied up to 3 mm of DFT. Epoxy Thinner maximum 3% may be added depending on the applicator's requirement.

DRYING TIME:

Ambient Temperature	Touch Dry	Hard Dry	Recoating Interval - Minimum	Recoating Interval - Maximum	Pot Life
15°C	12 Hrs	24 Hrs	24 Hrs	Indefinite	4 Hrs
25°C	8 Hrs	18 Hrs	18 Hrs	Indefinite	2.5 Hrs
35°C	5 Hrs	14 Hrs	14 Hrs	Indefinite	1.5 Hrs
45°C	3 Hrs	10 Hrs	10 Hrs	Indefinite	0.5 Hr

NO. OF COMPONENTS Two

Mixing Ratio (By Weight) 2.5 (Base) : 1 (Hardener)

Application Conditions Do not apply this product if the Relative Humidity exceeds 85%.

ADDITIONAL INFORMATION

Thinner / Cleaning solvent	Epoxy Thinner or, as per recommendation
Storage Instruction	Store in a cool shaded dry area
Flash Point	Mixed less than 30°C
Shelf Life	12 months

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SURFACE PREPARATION & SYSTEM APPLICATION

- The performance of the coating is directly proportional to the degree of surface preparation.
- Ensure the surface is clean, dry and free from all contaminants and laitance.
- New concrete surfaces must be cured at least 4 weeks before application of primer.
- If any laitance found remove using wire brush/diamond disc grinding or by sweep blasting.
- Blow holes, undulations should be filled with Apcoflor Epoxy Putty before application.
- On prepared surface, 1 coat of Apcoflor HFP 120/Kadilux Epoxy Primer to be applied at 75-100 microns followed by 1 coat/2 coats of Apcoflor Epoxy Putty. After drying of epoxy putty, 1 coat of Apcoflor/Kadilux Epoxy Primer to be applied, further after drying, 2 coats of Apcoflor TC 510 (250-300 microns)/Kadilux Epoxy Topcoat to be applied, followed by Application of Apcoflor TC 600 PU topcoat (50 – 100 microns in one coat) (two coats can be applied) as per the system recommendation/requirement.
- For detailed system recommendation and Method of application, please contact Sales Representative.

MIXING

- A suitable power driven mixer/ stirrer is recommended for uniform mixing of the coating. Stir the base and hardener separately. Mix hardener gradually into the base under continuous stirring as per stated mixing ratio. Mix well for 5 – 6 minutes till the components become homogeneous. Apply before expiration of pot life.

PRODUCT USE RESTRICTIONS

- Generally recommended for interior/exterior use.
- Application method and higher drying temperature may affect the colour of the coating.
- This is not suitable for heavy duty environments.
- Not suitable for industrial and factory floors where high chemical and abrasion resistance are required.
- Not suitable for rising damp.
- Does not cure well below 15 Deg.C.

SAFETY PRECAUTIONS

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapor or spray.
- This product is flammable. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharge. In case of fire – blanket flames with foam, carbon dioxide or dry chemicals
- Refer to MSDS for further information.

FIRST AID

- Eyes: In the event of accidental splashes, flush eyes with water immediately and obtain medical advice
- Skin: Wash skin thoroughly with soap and water or approved industrial cleaner.
- DO NOT USE solvent or thinners.
- Inhalation: Remove to fresh air, loosen collar and keep patient rested.
- Ingestion: In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention

DISCLAIMER

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.