VYFLOOR EP222

(TWO COMPONENTS, HIGH EFFICIENT, SOLVENT FREE, ABRASION AND CHEMICAL RESISTANT PROTECTIVE EPOXY COAT)

PRODUCT INFORMATION

SPECIFICATIONS

VYFLOOR EP222 complied with ASTM D4060 & ASTM C882 & ASTM C267 & ASTM D2240.

PACKAGING

VYFLOOR EP222 is packed 1 , 5 and 15 kg kits

COVERAGE

Rate of uses (theoretically) 3-4 m²/kg /2coats [200 µ DFT]

SHELF LIFE

24 months if stored in original unopened packs.

STORAGE

VYFLOOR EP222 should be stored in clean ground over plastic or wooden pallets out from direct sun at temperature between +5 °C to +35 °C

DESCRIPTION

VYFLOOR EP222 is a high efficient two components, solvent free white and colored protective epoxy coat for floors, walls, concrete, steel , metals and bricks.
VYFLOOR EP222 is provides highly long term chemical, impact and abrasion resistance.

TYPICAL APPLICATIONS

VYFLOOR EP222 is used as a top coat for:

- Industrial floors
- Production areas
- Workshops and car parks
- Pharmaceutical and hospitals rooms
- Warehouses and storage areas
- Nuclear and power stations
- Steel tanks and pipes
- Bridges constructions
- Can be applies on wooden and metal surfaces

FEATURES

- Two components solvent free coat
- Low odor
- High build film coat
- High abrasion resistance
- High chemical resistance
- High durability
- Good adhesion on various substrates
- Gloss retention finish
- Non-toxic

TECHNICAL PROPERTIES

FORM	Epoxy	
APPEARANCE	clear	
DENSITY	1.70 ± 0.05 kg/l	
INITIAL DRYING TIME	4-6 hours	at 25 °C
FINAL DRYING TIME	24 hours	at 25 °C
DRY TO RECOAT	18-20 hours	
FULL CURE	7 days	at 25 °C
POT LIFE	45 min	decreases at higher temperature
ABRASION RESISTANCE	70mg	loss in weight
SHORE D HARDNESS	80	
COMPRESSIVE STRENGTH	60 N/mm²	after 7 days fully cured
FLEXURAL STRENGTH	24 N/mm²	after 7 days fully cured
TENSILE STRENGTH	16 N/mm²	after 7 days fully cured

CHEMICAL RESISTANCE

SULPHURIC ACID 50%	good (no softening, bubbles, slight discolor observed)
SULPHURIC ACID 98%	weak (softening and yellowing color observed)
HYDROCHLORIC ACID 30%	excellent (no softening, bubbles, non- discolor observed)
NITRIC ACID 10%	excellent (no softening, bubbles, non- discolor observed)
ACETIC ACID 10%	good (no softening, bubbles, slight discolor observed)
PHOSPHORIC ACID 85%	good (no softening, bubbles, slight discolor observed)
SODIUM HYDROXIDE 50%	excellent (no softening, bubbles, non- discolor observed)
POTASSIUM HYDROXIDE 50%	excellent (no softening, bubbles, non- discolor observed)
AMMONIA 30%	excellent (no softening, bubbles, non- discolor observed)
FUELS	excellent (no softening, bubbles, non- discolor observed)
CHLORINE	good (no softening, bubbles, slight discolor observed)

***THE ABOVE RESULTS FOR 7 DAYS IMMERSING**

SCAN ME

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support@vycon-eg.com
Piece 4/1 A3 10th Of Ramadan
Piece 213 new Investment zone A6 10th Of Ramadan

INSTRUCTION FOR USE

Surface preparation :
All surfaces must be sound, dry, clean and free from oils, greases and other contaminations. Concrete must be at least 3-6 weeks old. The substrate must be ≤ 6% pbw moisture content, relative air humidity 80% r.h. max and the substrate temperature 10 ◦C min. / 35 ◦C max. Remove any loose particles, sharp edges and nips using wire brush or sand blasted. Any cavities, voids or cracks must be repaired.
Mixing :
Place component B (hardener) into component A (based) in a clean container and mix mechanically using a slow speed electric drill with 300 rpm, then step by step add component C (filler) to the mixture with continuous stirring till homogenous consistency obtained.
Application :
All surfaces must be primed with **VYFLOOR SB10**, **VYFLOOR SF** or **VYFLOOR PF102** roller coat. Place the mortar while the primer coat is still tacky, and rake out evenly. Level with a beam laid across steel screeding rails and finish with a steel float

CLEAN UP

All tools should be cleaned immediately after use with a suitable solvent.

PRECUATIONS

- Mixed epoxy resins will develop temperature during their curing period.
- This could result in heat generation and possible smoking if the material is unused and kept in bulk.
- Care should be-taken to use all mixed materials within the stated pot life or provide a well-ventilated place away from other materials until any exothermic reaction has taken place and the product can be disposed of properly.
- On vertical and overhead application to provide non sag adhesion film avoid thick coat application.
- In the case of damp surfaces make sure that the material well rubbed in.
- Take precautions to avoid inhalation of spray mist and contact with skin and eyes

TECHNICAL SUPPORT

For any technical support, please consult **VYCON** office or visit our website **http://www.vycon-eg.com**

HEALTH AND SAFETY

Take precautions to avoid inhalation of spray mist and contact with skin and eyes. wear suitable protective clothing gloves, eye protection. if skin comes in contact it should be washed with fresh water and soap. eyes contact should be cautiously washed with fresh water. the product non toxic and non hazardous according to health and safety codes