

EP-32 SOLVENT FREE EPOXY PAINT

DESCRIPTION

Two-component, epoxy based , solvent-free, self levelling floor coating material with excellent mechanical and chemical resistance. Also hygienic and easy to clean.

AREA OF USE

• Applied actories, business centers, workshops, aircraft hangars, schools, showrooms, hospitals, pharmaceutical industry, food industry, laboratories, warehouses, food and food processing plants, sewage treatment plants, areas with corrosive chemicals and heavy trucks, sanitary units, chemical and mechanical abrasion resistance is required in all industrial floors, concrete is used as a coating material on.

APPLICATION

a) Surface Quality

- Concrete surface should be clean, hard, having sufficient compressive strenght (min 25 N/mm²) and having pull-off strenght of minimum 1,5 N/mm².
- The surface must be free of contaminants as dust, oil and curing materials.
- The syrup layer on the surface should be taken. (Shot-Blast, Rota Tiger, Freze vb.)

b) Surface Preparation

- Concrete surfaces should be prepared using abrasive blast cleaning to achieve an open textured surface by the removal of syrup.
- Weak concrete must be removed, blowholes, voids must be fully exposed.
- All dust, loose and friable material must be removed before application by brush and / or vacuum with a vacuum cleaner.
- Surface repairing, filling of blowholes, repairing cracks and false joints must be made by Omega Concrete Impregnated Primer + Quartz mixture.

APPLICATION METHOD

- Component A of Solventfree Epoxy Paint should be mixed by itself seperately, then component B is added and mixed well.
- Minimum 300-400 rpm powered mixers should be used for mixing.
- Apply on pre-applied solventfree epoxy primer after min. 12 hours.
- Apply with roller or trowel.
- Finish the application within 45 minutes.

CONSUMPTION

Minimum 0,400 – maximum 0,800 kg /m² depends on application (consumption changes by application method e.g. trowel or roller)

PACKAGING

Available in sets of 25 kg; (A: 20 kg + B: 5 kg)

STORAGE

12 months in unopened original package, when stored in a cool, dry environment .

SAFETY PRECAUTIONS

- Uncured material components are due to irritant effects to skin and eye. When contact occurred, wash with soap and plenty of water, in severe cases obtain medical attention.
- Gloves and safety goggles must be worn during application.
- Avoid contamination of uncured materials to foods.
- Approaching work area with fire is dangerous.
- Should be kept out of the reach of children.
- The Material Safety Data Sheets are available from our technical service.
- Fully cured material is completely harmless.

CHARACTERISTICS

- Mechanical and abrasion resistance.
- Ease of cleaning, hygienic.
- Resistant to chemicals.
- Resistant to sea water, waste water, some dilute acids and bases, salt solutions, fuels, mineral oils, and various chemicals such as aliphatic hydrocarbons. Detailed table of chemical resistance may be asked to our technical service.

TECHNICAL SPECIFICATIONS			
Chemical Structure:	Epoxy		
Density:	A+B : ~1.40 kg/l (at +23 °C)	(DİN EN ISO 2811-1)	
Solid Content	~%100 (by volume) / ~ %100 (by mass)		
Mixing Ratio (A+B)	40/10 (by mass)		
Machanical/Physical Specifications: Compressive Strenght Bending Strenght Adhesion Strenght Shore D Hardness	Mortar: -60 N/mm2 (28 days / +23 °C) Mortar: -30 N/mm2 (28 days / +23 °C) > 1.5 N/mm2 (pulling off from concrete) 50 mg (CS 10/1000/1000) 8 days /+23 °C 80 (7 days /+23 °C)	(EN 196-1) (EN 196-1) (ISO 4624) (DİN 53109 Taber) (DİN 53505)	
Application Requirements: Surface Temperature Environmental Temperature Surface moisture content	Min +10 °C / Max +30 °C Min +15 °C / Max +40 °C Humidity by mass < %4 Test method: With temperature and humidity meter.		
Relative Humidity:	max %80		
Condensation:	Condensation on surface is not allowed. Moisture due to condensation on the surface prevents adhesion and the coating peeling occurs.		
Application Time:	Temperature +10 °C +20 °C +30 °C	Time ~ 60 min ~ 30 min ~ 15 min	
Pot Life:	Temperature +23 °C NOTE: these tests were made under laboratory conditions with a mixture of 200 grams.	Time -30 min	
Waiting Time Between Layers	Surface Temperature +20 °C	Min 12 hours	Max 36 hours
IMPORTANT ISSUES	While multiple layering , make sure that the standby time is up to 48 hour before applying the second coat If this time is exceeded, the surface should be roughened.		