

DESCRIPTION

KEN FLOOR 100 is two components solvent amine cured epoxy self-levelling finish floor. This system best apply for heavy duty floor in food, beverage and drug production, pulp and paper industry, hotel kitchen, computer and electrical room, workshop, emergency stair, etc.

PRINCIPAL CHARACTERISTICS

- Good abrasion resistance.
- Excellent impact resistance.
- Tough, smooth non porous surfaces.
- High gloss and easy to clean.

RECOMMENDED USE

KEN FLOOR 100 is recommended to be used for floor coating of the following applications:

- Manufacturing plants.
- Kitchens.
- Hospitals.
- Restaurants.
- Rest rooms, etc.

SPECIFICATION DATA

Type	Two components self levelling floor Coating.
Gloss	High Gloss
Colour	Available on request.
Specific gravity	1.2 ± 0.5 kg/litre.
Solid by volume	± 95%
Recommended	Dry film thickness : 500 – 1000 microns.
Coverage theoretical	1 m ² / litre – 1000 microns
Dry time	

Temperature	Touch dry	Hard dry	Remark
26°C	5-7 Hours	16 Hours	
32°C	4-6 Hours	12 Hours	

Full cure	7 days.
Service Temperature	25°C for base and 38°C for hardener.
Pot life	60 Min (after mixing the components).
Shelf life	12 months (cool and dry place)
Humidity	80 % RH
Mixing Ratio	Comp A : B = 3 : 1
Provide adequate ventilation during application and drying.	

The information in this product data sheet is given to the best of our knowledge based on laboratory testing and practical experience. If the product is used under condition beyond our control, we cannot guarantee anything but the quality of the products it self. The information in this product data sheet is liable for modification from time to time in the light of experience and our policy of continuous product development, and without further notice.

TEST PERFORMANCE DATA

Compressive Strength	: ± 70 N/mm ² BS-6319 Part 2
Bonding Strength	: ± 2 N/mm ² concrete failure ASTM D-4541
Abrasion Sensitive	: 13 mg loss/ 1000 cycles ASTM D-4060
Hardness	: ± 80 ASTM D-4336 (Shore D)
Flexural strength	: 15 ± 2 N/mm ² ASTM C-580
Scratch Resistant	: 59x Crock meter test
Gloss Level	: 85 - 95 %
Temperature resistant	: 0 - 70°C

SURFACE PREPARATION

Compressive strength of concrete floor must be more than 25 N/mm² in more than 28 days. Moisture content should be less than 5% and the surface temperature must be at least 3°C above current dew temperature. Remove oil contaminants using industrial grade detergent or degreasing compound as chemical cleaning and mechanical cleaning.

Description

Primer Coat
Body Coat
Top Coat

Product

: KEN FLOOR P-01
: KEN FLOOR P-02
: KEN FLOOR 100

CHEMICAL RESISTANCE

Chemicals	Remark
Water	: Excellent
Hydrochloric acid 36%	: Good @ $\pm 40^\circ\text{C}$
Sulfuric Acid 10%	: Excellent
Nitric Acid 10%	: Excellent
Sodium Soda 5%	: Excellent
Potassium Hydroxide 20%	: Good
Phosphoric Acid 20%	: Excellent
Acetone	: Excellent
Salt Water 3%	: Excellent
Toluene	: Excellent
Sodium Hydroxide 50%	: Excellent @ $\pm 60^\circ\text{C}$

SAFETY PRECAUTION

Keep away from heat, spark and open flames. Avoid breathing of vapour on skin and eye contact. Keep container closed and store in cool, ventilated area when not in use. Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against toxic hazard. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interior and building.

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