

Technical Data Sheet

Jolyace JE-10

Product Description and Applications:

Jolyace JE-10 is a two component thin film Epoxy floor coating applied by roller. The system has dust-proof property, average load resistance, easy to apply and maintain. The system is widely used for protective floor coating in industrial plants and automotive parking lots.

Physical Characteristics:

Appearance	Base Resin	Colour liquid
	Hardener	Brown yellow transparent liquid
Specific Gravity	Mixture	1.23 ± 0.05 (Mixture of Base & Hardener)
Solids Content	Mixture	64 ± 2 by volume (Mixture of Base & Hardener)
Viscosity, measured at 23°C	Base Resin	7000 ± 3000 mPa·s
	Hardener	20 ± 10 mPa·s
Abrasion resistance	Less than 30mg (JIS K 5970)	
Impact resistance	No cracking (JIS K 5970)	
Water resistance	No abnormality when immersed in water for 6 hours (JIS K 5970)	
Alkali resistance (saturated calcium hydroxide)	No abnormality when immersed in alkaline for 6 hours (JIS K 5970)	
Weathering	Discolor when exposed to direct sunlight	

Packaging:

15 kg set (10 kg can Base Resin & 5 kg can Hardener)

Storage:

The shelf life at 30°C is about 9 months.

When using, please stir Base Resin before adding Hardener.

Concrete Conditions before Application:

1. Moisture content of concrete must be below 5% (using Concrete Moisture Meter HI-500 or HI-520). When moisture content is above 5%, it is recommended to apply Temporary Moisture Barrier JEX-210 before applying JE-10 to prevent topcoat from blistering.
2. Remove oils, dirt, old paint film, etc. and polish entire concrete surface before applying Primer.

Application Data:

Apply JE-10 after applied Primer JE-2570 or Temporary Moisture Barrier JEX-210

Application Method: Roller

Mixing Ratio: 2 part by weight of Base Resin to 1 part of Hardener (A:B = 2:1)

Please stir Base Resin before adding Hardener.

Thinning: 5% maximum (Xylene)

Pot Life :at 25°C: 4 hours

Coverage: To make 0.2-0.3mm thickness: 0.3 kg/m² (recommended to apply 2 layers: 0.15kg middle-coat and 0.15 top-coat).

Curing Time :at 25°C: Curing time to walk on: 15 hours
Complete curing time: 72 hours

Safety precautions

1. Flammable Liquid. Mixing Base Resin and Hardener generates heat rapidly. Do not expose to heat, sparks or open flame.
2. Eye contact: Cause severe eye irritation and blurred vision. Recommended to wear safety glasses during application. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
3. Skin contact: Cause moderate skin irritation. Recommended to wear long sleeve shirts and protective gloves. In case of contact with skin, wipe away adhered paint and wash skin carefully with soap and water. Seek for medical advice if itching or inflammation occurs.
4. Inhalation: Respiratory irritation. Only used in well ventilated areas.
5. Ingestion: Harmful if swallowed. In case of swallowed by fault, drink a plenty of water, milk, or tepid salt water, try to vomit and immediately seek medical advice.
6. Wastes and empty containers should be treated and disposed of in accordance to national and local regulations.

Remark: The suggestions given in these notes are based on data gained from experiments and experience. However, since operating conditions in the user's plant is beyond our

Technical Data Sheet

control, we cannot assume responsibility for any risks or liabilities which may result from the use of our products.

Edition June 2014

AVN/TDS 06.2013