

SPOTHANE TOPCOAT(ENERGY)

1. OVERVIEW

SPORTHANE TOPCOAT(ENERGY) is an acrylic polyurethane resin based paint which has an excellent gloss retention and durability . It is air-drying high-quality finishing coat for interior and exterior with excellent hiding power, workability and resistances against water.

- A. Recommended Use
- Use on Interior and Exterior
 - Wood / Metal / Non-ferrous metal / Concrete / Ceramics
 - previously coated surfaces

2. PHYSICAL PROPERTIES

- A. Finish Gloss
- B. Color Available on request.
- C. Vehicle Type Acrylic polyurethane
- D. Drying Time

	10 °C /50 °F	20 °C /68 °F	30 °C /86 °F
Set to touch	50 min	25 min	15 min
Dry hard	16 hours	12 hours	8 hours

* The actual drying time is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions should be checked and informed by KCC.

- E. Solids by volume app. 41% (according to color)
- F. Spreading Rate 13.6 m²/L (DFT 30µm)
- G. VOC Mixed Max. 500 g/L
- H. Specific Gravity app. 1.1 (according to color)
- I. Flash Point 27 °C /80.6 °F (Closed cup)
- J. Flexibility No Cracking or Flaking (according to condition)
- K. Viscosity 85 ± 10 KU (25 °C)

3. APPLICATION DETAILS

- A. Surface Preparation Surfaces must be clean and free of dirt, grease, wax, mildew and scaling paint. Remove contaminants by fresh water washing and solvent cleaning thoroughly Rinse with clean water. If mildew is present, it must be removed with a

commercial mildewcide solution. CAUTION : Use rubber gloves, work goggles, and protective clothing when applying mildew wash.

- B. Preceding Coat
- * New Steel : Best cleaning to Sa 2, and apply Zinc oxide primer LP113 or Multipurpose Primer EP1730.
 - * Non-ferrous metal : Remove any dust, oil and other impurities from the surface to be coated, and apply Multipurpose Primer EP1730 as on primer if necessary
 - * Concrete : Remove any dust, oil and other impurities from the surface to be coated, and apply SPORTHANE PRIMER as on primer if necessary.
 - * Wood / Ceramics : Remove any dust, oil and other impurities from the surface to be coated, and apply on primer if necessary.

- C. Application condition
- The surface must be completely clean and dry.
- Do not apply when the room temperature is less than 5°C/41°F and relative humidity is above 85%.
- The surface temperatures must be at least 3°C above dew point to prevent condensation.

- D. Thinning
- THINNER No. 029K / 002
- (Thinning ratio : Max. 15% by volume)
- Because of adhesion, avoid excessive thinning.

- E. Mixing
- Base(PTA) : Curing Agent(PTB) = 3 : 1 (by Volume)
- * Mix thoroughly with High speed dissolver for 5 minutes prior to application.

F. Pot Life & Recoating interval

		10 °C/50 °F	20 °C/68 °F	30 °C/86 °F
Pot Life		5 hr	4 hr	3 hr
Recoating Interval	Min.	16 h	12 hr	8 hr
	Max	5 day	3 day	2 day

- G. Method of Application
- Brush, Roller, Spray(air or airless) application.

- * For airless spray application :
 - Nozzle orifice : 0.017" ~ 0.019"
 - Output pressure : 2,100 psi/143 atm.

Fan : 65°

Thinning : Max. 15%

(Airless spray data are indicative and subject to adjustment).

H. Film Thickness Recommended per coat 30 microns dry
Apply 2 times with proper film thickness.

I. Shelf Life 12 months (Store in cool, dry, well-ventilated place.)
(Temp at -5℃~35℃)

J. Packing Unit 16 L, 3.6 L

4. PRECAUTIONS

- A. Protect skin and eyes, and avoid prolonged breathing of solvent vapors.
- B. Wear the protective mask, protective glasses, gloves and suitable protective equipment.
- C. Use with adequate ventilation.
- D. Respiratory protection is recommended when applying this product in confined spaces or stagnant air.
- E. This product contains flammable solvents. Keep away from sparks and open flames.
- F. For additional safety information, refer to the Material Safety Data Sheet for this product on our internet Homepage(www.kccworld.co.kr)

※ issued

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