



# SANHO CHEMICAL CO., LTD.

NO. 1 CHUNG SHAN S. RD., LU-CHU, KAOSHIUNG, TAIWAN.

TEL : 886-7-6962211~3

[http : // www.sanho.com.tw](http://www.sanho.com.tw)

FAX : 886-7-6976993 (Sales)

E-mail : [sanho@sanho.com.tw](mailto:sanho@sanho.com.tw)

FAX : 886-7-6961782 (Export)

E-mail : [sanho@so-net.net.tw](mailto:sanho@so-net.net.tw)

## FUJICURE 5260

FUJICURE 5260 is low viscosity of modified cycloaliphatic polyamine. The feature of curing of FUJICURE 5260 is excellent under conditions of high humidity and at low temperature. FUJICURE 5260 can form much softer cured products. The curing agent of FUJICURE 5260 is applied for self-leveling floors,

### 1. SPECIFICATIONS

Appearance	: Light brown color viscous liquid.
Viscosity ( 25°C )	: 1000~2000mPa · s
Color ( Gardner )	: 4.
Amine Value	: 340 ± 15
Specific Gravity	: 1.03 ( 25 / 25°C )
Flash Point	: 153°C
A.H.E.W.	: 110

### 2. RECOMMENDED MIXING RATIO

50~70parts by weight to 100 parts of bisphenol-A liquid whose epoxy equivalent weight is about 190.

### 3. CURING CHARACTERISTICS

#### 3-1 Exothermic Reaction.

Epoxy resin	: bisphenol-A type liquid whose epoxy equivalent weight is about 190.
Total mass	: 100g
Room temperature	: 23°C

Epoxy resin / FUJICURE 5260	100 / 53	100 / 66	100 / 81
Peak exothermic time. (min.)	38	33	32
Peak exothermic temp. (°C)	172	177	163
Gel time (min.)	30	29	28



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## 3-2 Drying Characteristics

Epoxy resin : bisphenol-A type liquid whose epoxy equivalent weight is about 190.

By RCI Drying Recorder : At 23°C and 5°C

Epoxy resin / F-5260		100 / 53	100 / 66	100 / 81
23°C	Set to touch (hours)	2.1	1.9	1.9
	Tack free (hours)	4.2	3.9	3.8
	Dry through (hours)	5.8	5.6	5.5
5°C	Set to touch (hours)	2.0	2.1	2.1
	Tack free (hours)	10.2	10.7	11.3
	Dry through (hours)	23.0	18.3	18.5

◎Film thickness about 150um

## 4. MECHANICAL PROPERTIES

Epoxy resin : bisphenol-A type liquid whose epoxy equivalent weight is about 190.

Precured at 23°C for one day After this cured at 80°C for 2 hours

Epoxy resin / F-5260		100 / 53	100 / 66	100 / 81
Tensile Strength (kgf/mm <sup>2</sup> )		6.5	6.9	6.1
Bending Strength (kgf/mm <sup>2</sup> )		11.2	10.1	4.4
Flexural Modulus (kgf/mm <sup>2</sup> )		3.9×10 <sup>2</sup>	340	180
Compressive strength (kgf/mm <sup>2</sup> )		9.2	9.9	8.7
Izod Impact Strength (kgf/cm-cm)		2.0	2.0	2.0
Rockwell Hardness (m-scale)		43	65	58
Shore D.		46	45	38
Heat Distortion Temp (°C)		82	84	82

## 5. CHEMICAL RESISTANCE

Epoxy resin : bisphenol-A type liquid whose epoxy equivalent weight is about 190

Precured at 23°C for one day After this cured at 80°C for 2 hours

Measured the weight change of the cured products after immersing them into following chemical substrates



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Unit : %

Epoxy Resin / F-5260	100 / 53			100 / 66			100 / 81		
	1	7	30	1	7	30	1	7	30
Tap water	0.1	0.4	0.9	0.1	0.4	0.9	0.2	0.5	1.3
5% salt water solution	0.1	0.3	1.0	0.2	0.4	1.1	0.2	0.5	1.5
10% caustic soda solution	0.1	0.3	0.8	0.1	0.3	1.0	0.2	0.6	1.7
10% ammonia solution	0.2	0.4	1.1	0.2	0.6	1.4	0.4	0.9	2.1
5% sulfuric acid solution	0.3	0.6	1.4	0.6	1.2	3.4	1.9	4.4	11
5% hydrochloric acid solution	0.2	0.4	1.2	0.4	0.0	2.1	1.6	3.9	9.2
Kerosene	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Isopropanol	1.0	2.4	5.0	1.7	4.1	9.3	3.2	4.9	20
Methyl isobutyl ketone	8.1	19	broken	6.7	17	broken	13	broken	broken

## 6. HANDLING (SAFETY) PRECAUTIONS

Since FUJICURE 5260 is a modified-amine curing agent, it should be handled with normal care.

Avoid direct contact with any parts of human body. In the case of eye or skin contamination with 5260, the affected part must be first washed thoroughly with plenty of water and soap.

In the case of eye contact, consult a physician afterwards. Keep the container tightly. Seal and store in a cool and dry place away from open flames.

## 7. IMPORTANT NOTICE

All statement technical information, data and recommendations contained in the catalogue are based on tests we believe to be reliable but those are not to be taken as any form of our guar-antes for specific properties of our product, nor for any particular applications.

Further study of individual user is requested in the actual usage. User shall determine the suitability of the product for his intended use before using.