



# Product Data Sheet

DAI NIPPON TORYO, CO.,LTD.

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For more or latest information please consult DNT

<b>FEATURES:</b>  <ul style="list-style-type: none"> <li>• Superior Resistance to Chemicals (Acid, Alkali) and Oil.</li> <li>• Excellent Water and Salt Water Resistance.</li> <li>• High Build Performance Properties.</li> <li>• Outstanding Workability by Airless Spray.</li> </ul>	<b>NO./NAME:</b> 1805  <b>EPONICS #20 TOP COAT</b>
	<b>TYPE:</b>  Modified Aliphatic Polyamine Cured,High Build, Epoxy Coating.
	<b>SHIPPING WEIGHT:</b>  20kg. Unit ( 17kg. Base 3kg. Hardener )

## SPECIFICATION DATA

PACKAGE . . . . . 2 Component

COLOR . . . . . Full Range Colors

FINISH . . . . . Semi-gloss

SPECIFIC GRAVITY @23°C . . . . . Mixed Material :1.37  
 Volatiles : 0.87

VISCOSITY @23°C . . . . . 85 Krebs Units

SOLIDS CONTENT . . . . . 68% - by weight

DRYING TIME . . . . .	@5	@20	@30	@40
@100MICRONS	(41°F)	(68°F)	(86°F)	(104°F)
To Touch:	2	1 1/2	1	1/2
Tack Free:	24	8	6	5(hours)

The recoatingtimeisspecified in the application instructions.

RECOMMENDED DRY FILM THICKNESS PER COAT . . . . . 50 ~ 100 Microns

THEORETICAL COVERAGE @100MICRONS . . . . . 276g./m<sup>2</sup>

When estimating working coveragesallow for application lossesurface irregularitiesetc.

FLASH POINT . . . . . Base : 22 (72°F)  
 Hardener: 11 (52°F)

SHELF LIFE @20 . . . . . 1 Year

The above data indicates the averageunder normal conditions and may vary slightly depending on the conditions.

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## EPONICS #20 TOP COAT

### APPLICATION INSTRUCTIONS

SURFACE PREPARATION . . . . . See Note 1.

MIXING RATIO . . . . . Base 85 Parts to Hardener 15 Parts - by weight

AGING TIME . . . . . Let Stand Approx. 30 Minutes

POT LIFE . . . . .

@5	@20	@30	@40
(41°F)	(68°F)	(86°F)	(104°F)
12	6	4	2(hours)

APPLICATION METHOD . . . . . Airless Spray

THINNER REQUIRED . . . . . EPONICS THINNER B

DILUTION RATIO . . . . . By Airless Spray  
3 ~ 10%

RECOMMENDED FILM THICKNESS PER COAT . . . . . Dry: 50 ~ 100 Microns  
Wet: 125 ~ 225 Microns

AIRLESS SPRAYING CONDITIONS . . . . . Air Pressure to Pump: 0.4MPa(4kg/cm<sup>2</sup>) or more  
Pump Outlet Pressure: 12MPa(120kg/cm<sup>2</sup>) or more  
Nozzle Tip No. : 163-515 ~ 715

COATING INTERVALS . . . . .

	@5	@20	@30	@40
	(41°F)	(68°F)	(86°F)	(104°F)
@100MICRONS	Min.: 48	24	15	8(hours)
	Max.: 14	7	7	5(days)

### NOTES

- 1.Remove completely all dirt, grease, oil, water or other contaminants from surface to be coated.
- 2.Mix Base and Hardener in accordance with the specified mixing ratio, then stir thoroughly until it is of uniform constituency prior to application. If the proportion is varied, neither cure nor expected properties may result.
- 3.Use up the mixed material within pot life.
- 4.Application in excess of the specified coating intervals may cause the lack of adhesive properties. Should be overcoated within the specified intervals. When it exceeds, rough the painted surface with sandpaper, then clean with rags.
- 5.For thinning, use EPONICS THINNER B only.
- 6.Clean all equipment immediately after use with EPONICS THINNER B. Once cured, the material is not dissolved in this thinner.
- 7.If the film is exposed to rain in short period after application, it may whiten and weather conditions should be taken into consideration.

The technical data furnished herein are true and accurate to the best of our knowledge. However, no guarantee of accuracy is given or implied and we undertake no obligation or liability for technical data, instructions and advice given or the results obtained. All products are offered and are sold subject to DNT's Standard Condition of Sale. Published technical data and instructions are subject to change without prior notice.