

## 725-S06-15 Solvent Free Polyurethane Gel-coatings

### Produce Description

- A solvent-free polyurethane coating
- Color: RAL7038
- Excellent flexibility, abrasion-resistance, weathering stable and adhesion

### Intended Uses

- Protection of wind turbine blade and FRP structure.

### Product Information

Volume Solids	$\geq 95\%$			
Finish/Sheen	Gloss			
Film Thickness and Theoretical Coverage			Min	Typical
			Max	
	Dryfilm Thickness( $\mu\text{m}$ )	75	125	200
	Wetfilm Thickness( $\mu\text{m}$ )	79	131	210
The oretical Coverage( $\text{m}^2/\text{L}$ )			12.7	7.6
			4.8	
Mix ratio	2.05:1~2.15:1 ( volume )      2.38:1~2.48:1 ( mass )			
Thinner	Not recommended. Use only in exceptional circumstances (mass 5%)			
Cleaner	725-NX-701			
Induction Period	Not necessary			
Flash Point	Part A	Greater than 31℃		
	Part B	Greater than 100℃		
	Mixed paint	Greater than 31℃		

### Method of Application

Airless Spray	Tip size range	0.38-0.53mm
	Output pressure	$\geq 17\text{MPa}$
Air Spray	Tip size range	2.0-3.0mm
	Output pressure	$\geq 0.4\text{MPa}$
Brush/Roller	Need to coat several times to get film thickness.	

Drying Information										
			5℃		15℃		25℃		35℃	
Touch Dry			3h		1.5h		1h		30min	
Hard Dry			5h		4h		3h		3h	
Pot Life			1h		1h		40min		30min	
Overcoating Data										
Substrate Temperature										
Overcoated by		5℃		15℃		25℃		35℃		
		Min	Max	Min	Max	Min	Max	Min	Max	
725-S06-15		3h	7d	1.5h	7d	1h	7d	1h	7d	
725-WS52-16		3h	7d	1.5h	7d	1h	7d	1h	7d	

### Pack Size

Part A	9kg/6.8L in 20 L container
Part B	3.7kg/3.2L in 4L container

### Storage

Store in well ventilated and dry conditions when temperature is -10℃~40℃ and RH is less than 90%. Keep away from hot and fire. Shelf Life: 12 months minimum at 25℃. Subject to re-inspection thereafter.

### Systems and Compatibility

Consult your Representative for the systems best suited for the surfaces to be protected.

### Surface Preparation

Using pneumatic grinding tools with P80~P120 sandpaper to brush blade surface or dried putty. Ensure that the surface is clean before paint coating without dust, grease, water droplets and other pollutants.

### Curing condition

The suitable temperature for applying 725-S06-15 is 5~40℃.

Apply in good weather. Temperature of the surface to be coated must be least 3℃ above the dew point when the humidity is lower than 85%.

It must be ventilated above 8h at pool ventilation area.

The paint group A and B shall be mixed evenly and no coarse particles shall be visually detected. Filter with 60-mesh filter when coarse particles are visually detected.

Mix according to the ratio of mass ratio A:B=2.38:1~2.48:1 or volume ratio A:B=2.05:1~2.15:1.

Add group B into group A and mix evenly before coating application.

### **Limitations**

The dry time and overcoating interval may change according to the environment factors.

Forbid to trample or pollute the surface of 725-WS52-16 and coat the next paint before the film is hard dry.

### **Duty statement**

The data in the sheet base on the information from the laboratory and practice. The application may exceed the control, so we only ensure our product quality. We own the right of the data sheet modification without informing.

The version takes the place of the previous version

The Technical Data Sheet (TDS) is recommended to be used in conjunction with the Safety Data Sheet (SDS) and the Application Guide (AG) for this product.