

## 725-WS52-16 Waterborne acrylic polyurethane finish

### Produce Description

A two pack waterborne acrylic polyurethane paint.

Color: RAL7035.

Excellent adhesion, flexibility and abrasion resistance, with the function of anti-icing.

Excellent UV aging resistance.

### Intended Uses

For wind turbine blade.

### Product Information

Volume Solids	52%±2%			
Finish/Sheen	Matte			
Film Thickness and Theoretical Coverage		Min	Typical	Max
	Dryfilm Thickness(μm)	70	80	90
	Wetfilm Thickness(μm)	156	178	200
	Theoretical Coverage (m <sup>2</sup> /L)	6.43	5.62	5
Mix ratio	4.2:1~4.4:1 ( Volume )	5.7:1~5.9:1 ( mass )		
Thinner	Water (mass ≤15%)			
Cleaner	Water			
Induction Period	Not applicable			
Flash Point	Not applicable			

### Method of Application

Airless Spray	Tip size range	0.38-0.53mm
	Output pressure	≥15MPa
Air Spray	Tip size range	2.0-3.0mm
	Output pressure	≥0.4MPa
Brush/Roller	Need to coat several times to get film thickness.	

---

## Drying Information

	15°C	25°C	35°C
Touch Dry	40min	20min	15min
Hard Dry	4h	3h	2h
Pot Life	2h	2h	1.5h

## Overcoating Data

Substrate Temperature						
Overcoated by	15°C		25°C		35°C	
	Min	Max	Min	Max	Min	Max
725-WS52-16	1h	24h	1h	24h	1h	24h

## Pack Size

Part A	15.4kg/11.5L in 20 L container
Part B	2.6kg/2.6L in 4L container

## Storage

Store in well ventilated and dry conditions when temperature is 0°C~35°C and RH is less than 90%. Keep away from hot and fire. Shelf Life: 12 months minimum at 25°C Subject to re-inspection thereafter.

## Systems and Compatibility

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

## Surface Preparation

725-WS52-16 should be applied over 725-S06-15. The primer surface should be clean, dry and free from contamination. 725-WS52-16 must be applied within the coating interval specified (consult the relevant product data sheet). Areas of breakdown, damage etc. should be prepared to the specified standard and 725-S06-15 should be used before the application of 725-WS52-16. 725-WS52-16 may be applied directly over aged 725-WS52-16 following thorough fresh water washing and degreasing provided the coating to be overcoated is in an intact and tightly adherent condition. Loose or flaking coatings should be removed back to a firm edge and 725-S06-15 should be used to repair the area before application of the full coat.

---

---

### **Curing condition**

The suitable temperature for applying 725-WS52-16 is 10~35°C.

Apply in good weather. Temperature of the surface to be coated must be least 3°C 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=5.7:1~5.9:1 or volume ratio A:B=4.2:1~4.4:1. 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.

---