

Code 35-09

## Aerodex WB 9000 Series

**Product group**

Interior cabin coatings.

**Characteristics**

Aerodex WB 9000 Series is a one component (pre-reacted), polyurethane acrylic combination dispersed in water providing some of the outstanding properties of a two component polyurethane. This product can be air or force dried. It can be used with most solvent systems and primers, being a pre-reacted system. There are no free isocyanates and it complies to current and proposed VOC legislation.

**Specifications**

Boeing	BMS 10-83 type 1
JAR	25853a

**Surface condition**

- \* Observe the recoatability limits of the relevant primer and substrate.
- \* Remove oil, grease and other contaminants prior to topcoating.
- \* Recondition aged primers or topcoats with e.g. Scotch Brite Type A very fine to a uniform matt surface.
- \* Remove dust with e.g. tack rags prior to the application of the finish.
- \* If Aerodex WB 9000 Series is applied on plastic or composite substrates, the release coat should be removed prior to painting.

**Instructions for use**

- Mixing ratio (by volume)

100 parts Aerodex WB 9000 Series  
Reduce to spraying viscosity with:  
0 - 10 parts water\*

\* If water is added to Aerodex WB 9000 Series stir till a homogeneous mixture

Note:

In principle Aerodex WB 9000 Series is delivered in a ready-to-use viscosity for a smooth or texture-like application. Do not apply under lower viscosity limit. Water should only be added if the viscosity is out of range due to e.g. low temperatures.

- Spraying viscosity

28 - 32 seconds ISO-cup 6  
50 - 58 seconds AFNOR-cup 4  
37 - 42 seconds DIN-cup 4

- Dry film thickness

25 – 40 µm

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### Application recommendations

- |              |   |           |
|--------------|---|-----------|
| - Conditions | Temperature   | 15 - 35°C |
| - Equipment  | - HVLP<br>- Standard gravity feed or suction feed pressure pot can be used.<br>nozzle orifice 1.4 - 1.8 mm. |           |

#### Smooth surface

1 cross-coat (till covered layer). For dark colours observe a flash-off time of <15 minutes or >2 hours min.

#### Texture appearance

After applying one cross-coat in a smooth layer, let dry for at least 30 minutes till matt surface. Apply by means of spattering the texture layer, two or more layers can be applied, depending on the effect required. Pressure 0.3 - 0.5 bar.

For spattering a fluid tip of 1.8 - 2.0 mm is recommended.

The spatter size is defined by both, nozzle orifice and pressure.

#### Rolling or roller application

Use a plastic soft roller.

Apply 1 or 2 layers with 30 minutes drying time in between applications. To avoid colour differences it is advisable to apply 2 layers. For dark colours observe a flash-off time of <15 minutes or >2 hours min.

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|-------------------------|--|
| - Cleaning of equipment | Cold water and a final cleaning with Solvent Cleaning C 28/15 or Aerodex WB 9000 Series Gun Cleaner. |
|-------------------------|--|

### Physical properties

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|--|---|--|
| - Drying times<br>20 ± 2°C, 50% ± 5 RH | Dust free<br>Dry to tape<br>Forced drying   | 15 - 45 minutes<br>1 - 2 hours<br>20 minutes at 40°C |
| - Theoretical coverage                 | ± 14 m <sup>2</sup> /l base (at 25µm) dry film thickness.                                       |  |
| - Dry film weight                      | ± 1.7 g/m <sup>2</sup> /mm (whites, light colors)<br>± 1.5 g/m <sup>2</sup> /mm (medium colors) |  |
| - Gloss 60°                            | Semigloss<br>Matt   | 15 - 30 GU<br><10 GU                                 |
| - VOC                                  | ≤300 g/l (full colour range).   |  |

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|----------------------|--|
| - Colour (dry film)  | All colour standards can be matched (e.g. colour fan 3031). Also available in colourless semigloss and matt. |
| - Flashpoint         | >100°C.  |
| - Storage (5 - 25°C) | 12 months.   |
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### **Packing**

1 and 5 lt cans.

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### **Safety precautions**

Do not breathe fumes. In case of insufficient ventilation, wear suitable respiratory equipment.

For full details consult the material safety data sheets prior to use (MSDS).

Comply with all local safety, disposal and transportation regulations.

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### **Warranty**

The information provided is to the best of our knowledge correct. However, we do not assume legal responsibility for use or reliance thereon. We disclaim all warranties expressed or implied including the fitness for a particular purpose. Data may be subject to modification without prior notice. Data sheets are revised every three years, please check validity.