AerTrim® BD100 Installation Suggestions

Technical Bulletin

AerTrim® BD100 is developed for aircraft applications to simulate the look of fabric-type materials. Typical areas of use are bulkheads, class dividers/ partitions and dado panels. AerTrim® BD100 has been successfully flight-tested and evaluated in a joint effort with several major airlines.

Tools & Materials Required

- Schneller AerTrim™ BD100
- Sharp razor knife
- Straight edge
- Squeegee
- Contact Adhesive (Fastbond 5 from 3M™)
- Heat Gun

Development of AerTrim® BD100

1. AerTrim® BD100 was developed for flat panel applications or parts with only one single curvature.
2. AerTrim® BD100 can be supplied with or without adhesive. In the trial evaluations that have been performed, the AerTrim® BD100 was applied using a contact adhesive; e.g. Fastbond 5 available from 3M™, or the Schneller Pressure Sensitive Adhesive (PSA).
3. In other validation trials, AerTrim® BD100 with heat active adhesive (HA211) was applied to substrate panels using a heat vacuum applicator (HVA). This application technique resulted in a successful finished part.
4. Use of the AerTrim® BD100 has eliminated some of the “capture” trim pieces that are needed when using a Nomex fabric material.
5. Unlike a fabric-type material, the AerTrim® BD100 will not distort or be wavy during the application process, thereby making it easier to align the material to the substrate.

Preparation of Material

AerTrim® BD100 was developed to simulate the look of a fabric-type material; therefore, it is constructed thicker than most decorative laminates in order to achieve this look. However, the AerTrim® BD100 can still be easily cut to size by using a sharp razor knife.

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Application of AerTrim™ BD100 to Flat Panel

1. AerTrim® BD100 has been installed on a First Class section through a joint effort between Schneller and a major airline (Delta Air Lines).

2. During this evaluation, the AerTrim® BD100 was bonded using a contact adhesive to the partitions and class dividers. The adhesive system used for this installation was Fastbond 5 available from 3M™. During this application, the adhesive was applied to both the backside of the AerTrim® BD100 and substrate.

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3. Samples of areas covered with AerTrim® BD100 are shown above.

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Application of AerTrim™ BD100 to Curved Surface

1. The AerTrim® BD100 has been successfully applied to curved panels during Schneller's validation process done by major airlines with favorable comments.

2. A contact adhesive can be applied to both the backside of the AerTrim® BD100 and to the substrate. As with the flat surfaces, the Fastbond 5 adhesive system was used on the curved panels in the First Class section.

3. On certain curved panels, a heat gun was used to apply a small amount of heat to the AerTrim® BD100. By heating the AerTrim® BD100, the material will relax and form more easily into the curves.

Sample Material

1. As with all application techniques, the use of the AerTrim® BD100 will vary depending on the applicator, the environment and the particular panel.
2. Please contact Schneller to obtain sample AerTrim® BD100 material for testing and experimentation.