

## **RPG BAD™ PANEL – ACCEPTABLE FABRICS FACT SHEET**

### **Application Method**

RPG® fabric finishes are stretch applied over the face of a core absorptive material, such as medium density fiberglass board, and then both bonded to edges as well as returned and bonded a minimum of 1" (25 mm) onto back side of panel to minimize telegraphing of any core irregularities. Not all fabrics are suitable for this type of application; please consult with the fabric manufacturer to confirm suitability prior to placing your order.

### **Acceptability Issues**

**DIMENSIONAL STABILITY (ASTM D6207-03):** This test method covers the determination of the dimensional stability of fabrics that are intended for use on panel and screen systems to cycled changes in humidity and temperature. Polyester, modacrylic, olefin, polyolefin, polypropylene, and blends using these fabrics as a base material are the most stable. Although any choice of fabric should be tested for dimensional stability, fabrics containing nylon, rayon, and silk are less likely to remain stable. An acrylic or latex backing will not stabilize an otherwise dimensionally unstable fabric.

**ACOUSTICAL TRANSPARENCY:** The ability of sound to pass through the fabric and enter the sound absorptive panel core. If air passes easily through the fabric, it will have good acoustical transparency. Typically acceptable fabrics will have an open weave. An example of an acceptable panel fabric is Guilford FR701-2100. Fabrics with a backing will generally have a poor acoustical transparency and micro-perforation is often not a solution, since the holes may close over time.

**TELEGRAPHING:** This refers to surface irregularities of the core or surface template telegraphing through the fabric. RPG stretch applies all fabrics to minimize this effect, but each custom fabric must be tested. Also certain light colored fabrics will reveal the surface and in these situations, RPG applies an acoustically transparent scrim on the core prior to fabric application. The standard fabric choices are shown on pages 2-3 of this document; the highlighted colors require the acoustically transparent scrim.

**ADHESIVE COMPATIBILITY:** This refers to the ability of the adhesive RPG uses to bond to the fabric and not bleed through and discolor the fabric.

**MISCELLANEOUS:** Certain fabrics exhibit visible lines when stretch applied over the panel face due to different light reflectivity in the areas under different tensions. Also certain humidity conditions humidity changes from may cause fire retardant salts to precipitate and leave a white power mark. There are instances whereby certain fabrics may loosen and sag at the face of a panel even though they are still well fastened at the edges and rear of the panel. This is a fabric issue, and outside the warranty of the panel (see panel Warranty and OM).

**PROCEDURE FOR CUSTOM FABRICS:** There are many fabric manufacturers and thousands of fabric choices available. Unfortunately not all fabrics are suitable. All custom fabrics specified, must be tested by RPG to determine if there are any potential problems that may require the designer to consider a different fabric. At the order quotation stage, RPG requires one linear yard of specified fabric shipped to



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RPG for evaluation. RPG cannot guarantee selected fabrics will remain bubble-free or sag-free if testing reveals a specified fabric is unsuitable for application to our products.

*Note: We cannot accept responsibility for products that are not used, or installed, to our specifications. Only handle panels wearing clean, white gloves during installation and following the guidelines as set forth in the product warranty.*



538 Silver Papier



481 Pearl



144 Eggshell



460 Buff



748 Bone



794 Coin



750 Cement Mix



380 Quartz



403 Vanilla Neutral



130 Wheat



394 Opal



406 Silver Neutral



758 Desert Sand



747 Straw



754 Light Moss



238 Grey Mix



471 Steel Grey



796 Moleskin



797 Sunshine



792 Earth



795 Flannel



298 Medium Grey



404 Apricot Neutral



751 Terra



749 Dune



408 Black



793 Chocolate



423 Pumice



422 Cinnabar



755 Leaf

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757 Stream



468 Eucalyptus



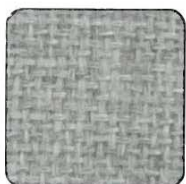
401 Blue Neutral



539 Blue Papier



400 Cherry Neutral



561 Verte Papier



756 Lake



405 Lavender Neutral



175 Crystal Blue



390 Rose Quartz



402 Green Neutral



470 Ultramarine



424 Amethyst



486 Bayberry



545 Bronze



381 Aquamarine



150 Wedgwood



752 Lilac



420 Cobalt



475 Sienna



549 Chrome Green



153 Baltic



753 Violet



799 Red



556 Deep Burgundy



467 Blue Spruce



553 Blue Plum



798 Iris



418 Claret Accent

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