

# DESIGN & ENGINEERING CHECKLIST --ADHESIVE COATED PRODUCTS

**NO OBLIGATION TECHNICAL SUPPORT** – Simply complete this form to establish or verify your realistic product performance and appearance expectations. Fax this completed form to us, and we will provide you with our best recommendation(s) for your product construction. If you want, we will also rate your current product versus available alternatives.

*Fax requests to: Prime Source, Inc. – (941) 387-0899*

## **1. HOW ARE YOUR GRAPHICS APPLIED?** **Environment & Method**

**NOTE:** Poor surface preparation is the No. 1 cause for premature adhesion failure. The surface must be cleaned prior to application of any adhesive coated product.

- Application Temperature**
- . Indoor Controlled (60° to 80°F)
  - . Indoor Variable (50° to 100°F)
  - . Indoor/Outdoor (40° to 110°F)
  - . Cold Temperature (To 0°F)

- Application Method**
- . Mechanical or Automated
  - . Manual with plastic applicator
  - . Manual with other applicator
  - . Manual without application tools

## **2. WHAT ARE YOUR GRAPHICS APPLIED TO?** **Surface**

- . Bare Metal
- . Treated Metal (Etched, anodized, plated, etc.)
- . Painted or Coated Metal

- . Enamel
- . Urethane
- . Powder Coat
- . Other – Specify \_\_\_\_\_

- Plastics**
- . Low Surface Energy (Polyethylene, polypropylene, styrene, etc.)
  - . High Surface Energy (ABS, polyester, polycarbonate, etc.)

- . Glass
- . Wood
- . Other – Specify \_\_\_\_\_

- Surface Finish**
- . Smooth
  - . Moderate Texture
  - . Rough Surface or Deep Texture

- Surface Configuration**
- . Flat
  - . Simple or Mild Curve
  - . Severe Curve or Bend
  - . Compound Curve

- . Ribbed, Corrugated or Seamed
- . Bridged (Bridge Holes or Gaps)
- . Other – Specify \_\_\_\_\_

## **3. WHAT ARE YOUR GRAPHIC PERFORMANCE Weatherability**

- . Indoor use only
- . Limited < 1 yr.
- . Moderate or Periodic 1-3 yrs.
- . Frequent or Prolonged 3-5 yrs.
- . Continuous or Severe >5 yrs.

- Adhesion Requirements**
- . Clean Removability
  - . Removable, Some Residue Okay
  - . Permanent – Difficult to Remove
  - . Permanent – Vandal Evident
  - . Textured Finish
  - . Permanent – Destroys

- Chemical Resistance**
- . Water Immersion
  - . Petroleum Exposure
  - . Alcohol Exposure
  - . Food Staining
  - . Acids, Alkalines, Harsh Cleaners
  - . Other – Specify \_\_\_\_\_

- Abrasion Resistance**
- . Normal Use
  - . Moderately Severe (Frequent

- . rubbing or scratching from water, grass, branches, etc.)
- . Severe – Frequent or Continuous abrasion from sand, gravel, dirt, snow or other high wear areas, such as pinch points, foot pads, etc.

- Temperature resistance**
- . Normal Use (-20° to +150°F)
  - . Cold Temperature (To -60°F)
  - . High Temperature (To 225°F)
  - . Very High Temp. (Over 225°F)

- Applicable Specifications**
- . Underwriters Laboratory
  - . C.S.A.
  - . ANSI – Specify \_\_\_\_\_
  - . Mil Spec. – Specify \_\_\_\_\_
  - . Other – Specify \_\_\_\_\_

## **4. HOW DO YOU WANT YOUR GRAPHICS TO LOOK?**

- Design Considerations**
- . No Special Requirements
  - . Precise Positioning or Alignment Required (Part-to-part matching, alignment over holes or into Recesses, etc.)

- Appearance Requirements**
- . Precise Color Match
  - . Precise Print-to-cut Register (< ± .015")
  - . Critical or Special Gloss Level
  - . Multiple Registered Gloss Levels

- . Embossed or Debossed Surface
- . Metallic Paint Appearance
- . Transparent or Voided Background
- . Nighttime Reflectivity
- . Glow in the Dark
- . Cover-up of Surface Defects or Irregularities
- . Other – Specify \_\_\_\_\_

## **5. WHERE DOES COST**

### **ENTER THE MIX?**

- . Low price supercedes above
- . Meeting above is desirable, but some compromise is acceptable
- . Meet or exceed above
- . We want the best – premium appearance and performance

## **6. WHAT PRODUCT(S) ARE**

- . Current specification attached
- . Vendor's discretion
- . \_\_\_\_\_
- . \_\_\_\_\_
- . \_\_\_\_\_