

# PRODUCT CHARACTERISTIC SHEET and COC

**PLEASE READ BEFORE USING!**

*Made in the USA!*

**Material: CONVEX® High-Bond Matte White Material For Solvent Ink Jet Printers**

**Part Nos: CHBM61550W, CHBM62050W, CHBM62450W, CHBM63050W, CHBM65450W, CHBM66050W**

**General Description:** White, soft, flexible vinyl with a clear permanent acrylic adhesive. Convex® Matte base materials are intended to be used for printing with Solvent & Eco-Solvent Ink Jets. Different combinations of Convex® or Pro-Shield™ laminates can be used to achieve a variety of decal thicknesses. Please see the disclaimer at the bottom.

Thickness: 4 mil. vinyl with 2 mil of adhesive

Outdoor Life: 6 years

Shelf Life: 2 years stored at 70 F & 50%RH

Service Temperature Range: (-40° F to 176° F)

Minimum Application Temp.: 50° F

**Adhesive Properties:**

2 mils. of permanent acrylic pressure sensitive adhesive works for most surfaces including textured low energy plastic and metal surfaces

**Tests performed | results:**

Ultimate Peel from	Average OZ/IN	Test Method
Acrylic	150	ASTM D 903 (Modified for 72 hour dwell time)
Glass	156	
Polypropylene	32	
Stainless Steel	134	
<b>Expected Shear</b> Room Temp (hours)	30	ASTM D 3654 Method A a. 1 hrl dwell b. 1 sq. in. surface c. 4 lb. load
<b>Tack</b> (gm/sq cm)	1100	ASTM D 2979

**CERTIFICATE OF  
CONFORMANCE  
(COC)**

Conforms to Mil-DTL-43719  
Type1, Class1 (6.1 & 6.1.1)

<b>Sold to:</b>	Identifab			<b>Lot No.:</b>	
<b>Buyer:</b>		<b>PO#</b>		<b>Supplier's Authorized Rep.:</b>	<i>Demas Garcia</i>
<b>Supplier:</b>	Graphic Marking Systems	<b>MFR Part No:</b>	Top of the page	<b>Title:</b>	<b>Converting Manager</b>
<b>MFR Date:</b>		<b>Ship Date:</b>		<b>Date:</b>	

**Recommended  
Application  
Techniques:**

On curved surfaces such as helmets, apply rubbing from the center out. When Convex Laminate is separated from the liner it is unsupported and can stretch during the laminating process. If there is too much reverse tension applied on the supply roll it will stretch and curl up immediately when it is cut. Laminate with a cold pressure sensitive laminator or by hand.

**RIP Software Settings:**

Although we do not offer specific profiles for ink jet printers on this material, we have found that most RIPS do offer generic matte white vinyl profiles that require minimal adjustments to get acceptable results. The user must determine what is acceptable for the desired application

**USE A 45° blade or 60° BLADE on any combination of material 8 mil or thicker.**

**Disclaimer:**

All of the descriptive information listed above is our recommendation only. This information does not suggest or constitute a written or verbal warranty or guaranty of any kind by the manufacturer or distributor of this product. Although this material can be printed on with some solvent based printers, the surface characteristics of the material can change from roll to roll, and failure of optimal printing results are not a basis for returning the product. Purchasers of this product shall be responsible for independently determining the suitability of the material for the intended application. GMS0618 Graphic Marking Systems

# Material Safety Data Sheet (MSDS)

**Material Name:** CONVEX® High-Bond Matte

**Part Nos:** CHBM62050W, CHBM63050W, CHBM66050W

Date Prepared: 6/22/2018

**General Description:** Matte White, soft, flexible vinyl with a clear permanent acrylic adhesive.

**Company:**

Graphic Marking Systems

Address: 28457 N. Ballard Rd., Suite A1  
Lake Forest, IL 60045

Phone: 847-582-9276

Fax: 847-582-9282

## Composition and information on ingredients:

Individual components of this product do not contribute to any known hazards.

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): NONE

**UL Recognized:**

NO

**ROHS Compliant:**

YES

**REACH Compliant:**

YES

## Hazards Identification:

POTENTIAL HEALTH EFFECTS: None

ACUTE: No significant toxic hazard. When burned may produce toxic fumes.

CHRONIC: No significant toxic hazard.

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

## First Aid Measures:

Emergency and First Aid Procedures:

### ROUTES OF ENTRY:

Inhalation: N/A Skin: N/A

Eyes: N/A Ingestion: N/A

**Accidental Release Measures:** N/A

## Handling and Storage:

No special handling required other than storing away from excessive heat sources.

## Exposure Controls and Personal Protection:

Respiratory Protection: None required

Skin Protection: No precautions required

Eye Protection: None required

Exposure Guidelines: None established

Engineering Controls: None required

## Toxicological Information:

Carcinogen Status: NTP: NONE IARC: NONE OSHA: NONE

**Ecological Information:** No Data Available

## Transport Information:

TRANSPORTATION AND HAZARDOUS MATERIALS  
DESCRIPTION: Not a hazardous material for DOT shipping.

**Disposal Considerations:** Waste Disposal:

Dispose of in accordance with Local, State and Federal regulations.

## Other Information:

The information contained herein is based on the data available to Graphic Marking Systems, and is believed to be correct. However, Graphic Marking Systems makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Graphic Marking Systems assumes no responsibility for injury from the use of the product described herein.

## Fire Fighting Measures:

Flash Point: N/A

Method Used: N/A

Auto-ignition Temperature: N/A

Flamable limits in Air % by Volume: LEL: N/A, UEL: N/A

Extinguishing Media: Multi-rated ABC extinguisher or water

Unusual Fire and Explosion Hazards: None

**Special Fire Fighting Procedures:** In case of fire, use self-contained breathing apparatus and full protective equipment - all fires liberate toxic gases.

## Physical and Chemical properties:

Vapor Pressure (mm Hg): N/A Boiling Point: N/A

Vapor Density (air = 1): N/A Melting Point: N/A

Appearance and odor: N/A Reactivity of water: N/A

Specific Gravity (H 0=1): N/A Solubility in water: N/A

## Stability and Reactivity:

Stability: N/A

Conditions to avoid: Fire or Excessive Heat

Incompatibility: None

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur.

## Regulatory Information:

**OSHA STANDARD CFR 29, PART 1910.1200:** This product is considered to be an "article" under this standard.

**SARA 313 INFORMATION:** This product contains no substances at or above the reporting threshold subject to the reporting requirement of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 371, based on available data.

**CALIFORNIA PROPOSITION 65:** The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. **Warning** this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. This product contains up to 0.2% Toluene in the adhesive.