【VersaUV: Adhesion Promoter Resource Document】

With the launch of VersaUV printers and Eco-UV inks, users can print on variety of materials, including plastic or acrylic, glass, metals, etc. When printing on these special materials, a factor must be taken into account and this factor is the adhesion of UV ink on to the surface of these special materials. To promote ink adhesion, several adhesion promoters or primers were tested and the following table contain a summary report of the test.

【Result - Summary Report】

Primer Name / Material	Digibond	BondAid I* (Metal, Glass, and Tile)	BondAid II** (Common Plasitc)	InkFuze[1]	SEM --39863 Plastic Adhesion Promoter	VHT -- Adhesion Promoter	Klean-Strip -- Bulldog Adhesion Promoter	Dupli-Color -- Adhesion Promoter	PP INK Primer	Glass Boost[2]
Glass	OK	Fail		Fail	OK	OK	OK	Fail		
Stainless Steel	OK	Fail		Fail	OK	OK	Fail	OK		
Aluminum	OK	OK		Fail	OK	Fail	OK	OK		
Acrylic	Fail		Fail	Excellent					Excellent	Excellent
Corrugated Plastic Sheet	Fail		Fail	Fail					OK	OK
Silicone*	Fail		Fail	OK	Excellent	OK	OK	OK		

Fail – Both scratch and cut test removed the print

OK – Some prints were removed during the scratch and cut test

Excellent – Prints stayed on both scratch and cut test

*Bondaid I, per instruction is for Metal, Glass, and Tile.   **Bondaid II, per instruction is for common plastic.   ***Used cel phone

Click on the primer name for the manufacturer information

[1] **InkFuze** by Paradox Solutions, 175 Dupont Drive, Providence, RI 02920**,** (401)-228-0666

[2] **Glass Boost** by IGS, U.K.

【Conclusion】

As above chart indicates, there is no one adhesion promoter that satisfied all the material and often times, adhesion promoter purchased from the local hardware or car supply store performed equally if not better. For printing on different material, user will have to use different adhesion promoter for different material. For detailed test result, please consult the full document at www.rolanddga.com\support

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