

DESCRIPTION

MD3 UV adhesion promoter is a 1-component primer formulated to improve UV digital ink adhesion to substrates such as stainless steel, coated metals, aluminum, coated aluminum, iron, copper, melamine (Formica), phenolic resin coated materials, acrylic, and acrylic resin.

Packaging

1L
4L

Warranty

12 Months
Store product at (35°F - 90°F)
Shelf Life: 3 Years

ADHESION PROMOTER HANDLING

Always wear PPE (wear gloves and eye protection). See Safety data sheets for more information.
If the MD3 does come into contact with skin, wipe it off with a clean, dry cloth (do not use a solvent). Wash the affected area with soap and water.

SUBSTRATES

Raw metals (stainless steel, aluminum, iron, copper, etc.)
Coated metals (Chrome plated, aluminum, powder coated, etc.)
Melamine (Formica)
Phenolic resin coated materials e.g. PCB Boards
Acrylics
Dibond® (and other composite enameled aluminum panels)

Ink compatibility

All UV curable inks (Screen and digital UV/ UV-LED Inks)

***Natron® MD3 adhesion promoter works with all inks, regardless of the ink manufacturer.*

PROPERTIES & FEATURES

One- component primer
Clear
Quick drying
Low sweet smell
Increases UV ink toughness and weather resistance
Humidity resistance
Nonflammable, non hazardous

Environmental Operating Parameters

Temperature: 18°C - 32° C (65°F - 90°F).
Humidity: 30% - 70% (non-condensing)

APPLICATION

Wipe on application:

Clean the surface to make sure there are no finger oils or debris.

Use a heat gun to dry the part after cleaning it with alcohol.

Apply the MD3 primer to the surface manually with a lint-free cloth.

Allow the adhesion promoter to dry thoroughly (1 – 3 minutes).

Spray applications:

Spray the primer evenly on the surface with a thickness of 5–15 µm.

Use heat or a flame to dry the primer.

Print your product

- Ready for application immediately
- Dries in 60 seconds to at room temp.
- Print primed part at room temperature within 48 hours (Low humidity) and within 36 hours (High humidity)
- Resistant to humidity and weather elements

Warning: Consult the MSDS prior to use.

Boston Industrial Solutions, Inc. Quality statement

Boston Industrial Solutions, Inc. stands behind the quality of this product. The MD3 Adhesion Promoter is formulated free from metals. Safety Data Sheets are available according to EU regulation. The primary indications are displayed on the product label.

The data and information given in this data sheet is based on our present experiences and testing. Our technical consulting, whether done verbally, in writing, or through extensive testing, is based on our best knowledge. This doesn't mean that the client doesn't have to test our products on their own to see if they are good for adhesion.

Boston Industrial Solutions, Inc. does not warranty the use or application of the products it manufactures or supplies. Our only obligation shall be to replace any defective products supplied by us or to refund the original price of the product after we have determined it to be defective. We assume no liability for any other loss or damage caused direct or indirect by our products.

It is absolutely necessary to make printing trials prior to start a production run to determine the suitability of this product for your specific application.

Please contact Boston Industrial Solutions, Inc. with any technical questions regarding our products or to obtain additional MSDS information.

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