

ClearShield Classic Laminates

Water-based liquid coating that offers the same as film laminates while saving as much as 60% in production cost. UV-protection, chemical resistance, abrasion resistance and flexibility are just some of the benefits of using ClearShield.

Field of application

ClearShield Classic should be manually applied on prints made with non-water sensitive media and ink.

Applications

- Banners
- Billboards
- Signage
- Vehicle Graphics

Instructions

Use as supplied. Mix well before use. Stir contents well. Do not shake. One to two coats are sufficient for most applications. Allow coat to dry to the touch prior to the application of a 2nd coat. Apply to clean, dry surfaces, at temperatures above 10°C. Clean up with soap and water. For roll application, use with a 50 mm short-nap roller or a high-density foam roller. ClearShield is easy to apply using an HVLP gravity-fed spray gun. We recommend using a 1.3 to 1.6 mm tip and a 3.1 - 3.8 bar. Always test printed substrates before use.

Consult Marabu for additional information.

Drying

The product will be fully cured and achieve final coating properties (scratch and chemical resistance) after 24 hours. Dry time will vary with the temperature, humidity and airflow.

Allow 45 – 60 minutes to be dry to the touch.

Yield

Yield will vary based on application method and technique. Typical rolled applications produce 11 - 12 m² per liter. Spray applications produce approximately 10 m² per liter.

Fade resistance

ClearShield's advanced UV inhibitors can protect prints outdoors for up to five years under normal conditions. The durability of the print is determined by many factors including ink type, media, and climate. *

Clean Up

Use clean, hot water to rinse rollers and spray equipment.

Physical Properties

Appearance: A milky white liquid

Viscosity: 30 - 40 seconds with a Zahn EZ #3

Density: 1 kg/liter

VOC levels: 314 g/liter

pH: 8.2 - 8.5

Recommended Cleaners

- Soap / Water
- Formula 409®
- Simple Green®

Storage

The coating should be stored in a container with a tightly closed lid. Store the liquid in conditioned space, 15 – 27 °C. DO NOT allow the coating to freeze. Semi-gloss and matte coatings should be stirred well before using.

* The manufacturer cannot guarantee or warrant the durability of any print if not used in accordance with the ClearShield instructions, indications, and warnings provided with the ClearShield product.



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Marabu