

Mastering a Pioneer Technique: Water-based Pad Printing



Sometimes wishes do come true!

With Maqua® Pad MAP, the water-based decoration of toys and other sensitive applications is no longer a future dream!

Solvent-based inks have been the standard pad printing technology for years. A keen focus on product safety for sensitive products such as toys has propelled the interest to alternative chemistry.

Maqua® Pad MAP is the world's first water-based pad printing ink available on the market that meets all the requirements of the toy industry. It is therefore also of interest to manufacturers who can now switch from spray and brush inks to a water-based, pad printable ink.

Applications

- Toys made of coated and uncoated wood, ABS, PVC, PC
- After pre-treatment, Maqua® Pad MAP also adheres well to pre-treated PP and coated substrates

Comparison	Maqua® Pad MAP	Solvent-based pad printing
Solvent emission	+++	-
Smell	+++	-
Measures for work protection	+++	-
Resistances	+++	+++
Drying	+	++
Auxiliaries	Retarder WV1 Anti-rust Additive	Diverse solvents

For further information please refer to the Technical Data Sheet on www.marabu-inks.com

Your Benefits:

Water-based ink system

- Nearly odourless
- Very low VOC values, low level of solvent contamination
- Less work safety measures required

Perfect for sensitive applications

- Suitable for applications according to the directive 2009/48/EG („Toys directive DIN EN 71/3“)
- Lowest PAH values, made without the use of BPA/BPS
- High safety standard for both, manufacturer and consumer

One-component processing

- Cost efficient: No pot life, no ink residuals
- Addition of thinner only if needed

Highly resistant dried ink film

- For robust and durable toy surfaces
- High quality and process safety

Tampacolor colour range

- Satin gloss and high-opaque shades
- PANTONE®, HKS®, and RAL mixing formulas will soon be available in the Marabu ColorManager

In the event of any queries, please contact:

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