



H₂OUDINI WATER-DISPERSIBLE PAPER



Hollingsworth & Vose, a leader in engineered paper and nonwovens since 1843, consistently delivers state-of-the-art solutions to achieve advanced performance for demanding applications. Water-dispersible paper represents just one of the latest innovations developed under the HVision™ technology platform.

Newly developed H₂Oudini™ water-dispersible materials from Hollingsworth & Vose present unique opportunities for a host of innovative uses. H₂Oudini technology enables the creation of exceptional paper substrates and other materials that disappear when rinsed with or placed into water.

Controlled dispersibility. While standard H₂Oudini water-dispersible paper dissolves in 3 to 10 seconds, this unique technology can be engineered to dissolve within the time frame you specify, depending upon your application needs.

Eco-friendly. H₂Oudini material is biodegradable and nontoxic. Its variations can be engineered to include renewable components such as fibers from rice, corn, grasses, or other natural materials.

Easy processability. Paper converters can process the material much like ordinary paper. Produced in various weights and thicknesses, it can be surface coated, printed upon, slit, laminated, embossed, perforated, or creped to suit your process needs. H₂Oudini works with a number of compatible coatings.

Heat-sealable. Certain H₂Oudini grades offer the unique benefit of heat sealability. This exceptional capability enables the paper to be made into single-dose consumer and industrial pouches.

Familiar look and feel. H₂Oudini has the strength, look, and feel of regular paper products. Consumers can write or print on it, fold or tear it — yet this unique dissolvable paper withstands oils, alcohols, and emulsions. H₂Oudini also maintains moderate temperature resistance and steam resistance, and is autoclavable.

Challenge your imagination. H₂Oudini technology offers customers a unique and differentiated substrate for applications such as dissolvable labels, packaging and containers, and specialized industrial uses. Contact us if your product can incorporate this novel material.





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A Myriad of Applications

H&V's water-dissolvable H₂Oudini lends itself to numerous uses, from a rinse-off label to a self-disposing delivery medium.

Applications include the following:

Labels (pressure-sensitive, water-soluble)

- Removable stickers on glass or plastic
- Rinse-off labels on reusable containers or glassware
- Wash-away tags providing clothing stores with proof of wear

Industrial

- Water leakage inspection material
- Dissolvable packets for dry chemical portions
- Temporary labels for datemarking and work in progress
- Welding dams

General packaging

- Packages, bags, cartons, packs, pouches, and other dissolvable containers

Home and garden

- Seed strips and kneeling mats
- Wash-away embroidery backing
- Games, toys, novelties
- Dissolvable packs for soap, biocide, or fertilizer
- Flushable and dispersible wipes
- Rinse-away patterns

Medical

- Water-dissolvable swab sticks
- Easily dispersed cleanup materials
- Easily degradable packaging materials

Government

- Security stationery for classified documents

Miscellaneous

- Writing paper for fast-disposal notes
- Envelopes
- Wash-away confetti

To learn more about H&V's H₂Oudini water-dispersible paper and to view a video of how the product works, visit www.hollingsworth-vose.com/wdp. For additional information, contact H&V by phone at 508-850-2000, or e-mail info@hovo.com

HVision®
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