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Manufacture

Deliver

Brand

Nazdar

Customise

Support

NAZDAR
INK TECHNOLOGIES

OEM
GROUP

INKJET FLUIDS
CAPABILITIES & SERVICES

Inkjet Fluids For Original Equipment Manufacturers

Trusted Partnership



Trust

Service

A Legacy of Trusted Partnership

Since 1922, Nazdar has been serving the printing industry by providing high quality products, expert technical knowledge, and unparalleled customer service. Nazdar has over thirty years experience developing fluids for inkjet OEMs and printhead partners.

Our experience in non-compete and non-disclosure relationships means you can be confident that all proprietary information will be handled carefully.

Support

Nazdar

A photograph of a modern, multi-story office building with large glass windows and a concrete sign in the foreground that reads "NAZDAR". The sign has the "Z" in red. The building is set on a green lawn under a clear blue sky. An American flag is visible on a tall pole in front of the building.

NAZDAR

Inkjet Fluids For Original Equipment Manufacturers

Nazdar's technical team will ensure a smooth implementation of our products into your manufacturing processes, consistently providing outstanding service, support, and security.

Technical Expertise



Expertise

Support

Nazdar values sustainability as a crucial factor when bringing new products to market, utilizing low-migration and water-based ingredients whenever possible.

Global Stewardship

Security

Nazdar

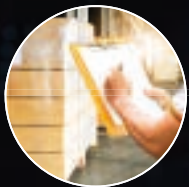


Inkjet Fluids For Original Equipment Manufacturers

Global Reach

With two manufacturing facilities and multiple distribution centers across the globe, Nazdar will deliver your product where and when you need it.

Our state-of-the-art production facilities will meet all your inventory, labeling and regulatory requirements. We can deliver customized containers and packaging to optimize branding for your product and convenience for your customers.



Nazdar has a strong reputation in the research, development and manufacturing of inks for a diverse range of printing applications. Our experts formulate ink systems for optimum color, viscosity, pigment-stabilization, UV-cure speed, active shelf-life and outdoor durability.

Nazdar's Research and Development team continually evaluates the latest technologies, as well as regulatory concerns such as Nestlé Compliance and country-based legislation, to bring innovative and high-performing products to market.

Nazdar's quality and production processes are ISO 9001:2015 certified. All inks we develop and manufacture are quality-control tested to the tightest tolerances, ensuring high quality and batch-to-batch consistency.

Deliver

Nazdar



Selecting The Right Fluid

Step 1: Application

Understanding the application and substrate(s) is an integral part of the selection process. It's also important to identify any pre-treatments that may be used.

Step 2: Printhead

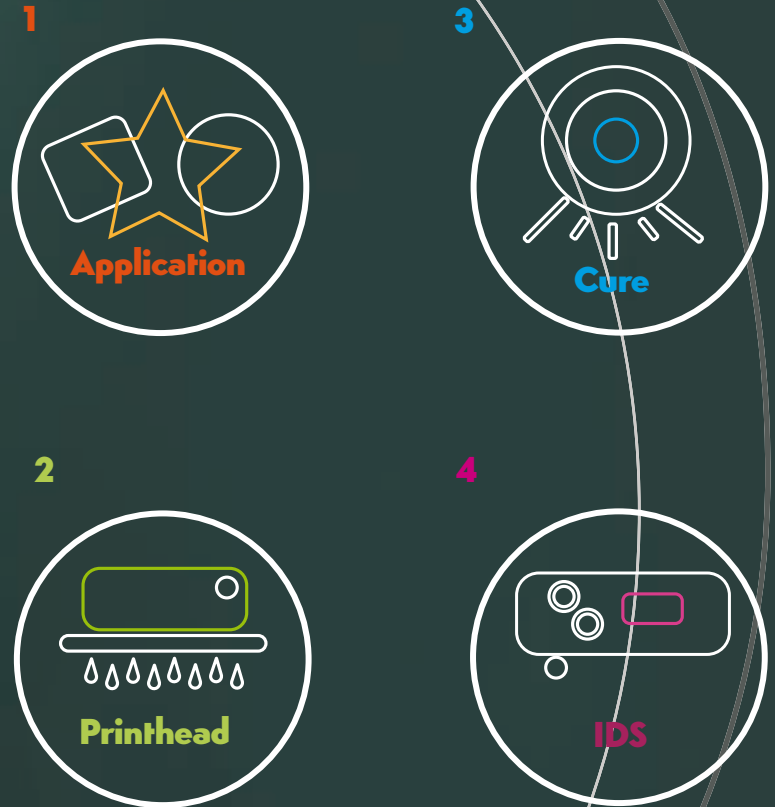
The printhead is key to the overall press layout and is the driver for both speed and quality. Ensuring the fluid has the correct viscosity window for your printhead enhances drop placement and reduces satellites during jetting.

Step 3: Cure

Fluids are each designed for a specific curing system, which each offer a variety of different features. Understanding each system's performance characteristics enables smooth integration and reliability once your press is in production.

Step 4: Ink Delivery System (IDS)

Ink Delivery Systems are a key component in creating a production-ready digital solution. Understanding the chemical restrictions within a system is a key first step in making a fluid selection.





Performance

Nazdar

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● 3D Printing ▶

● Inkjet Fluid Technology ▶

Clear Functional Fluids

Clear Functional Fluids

SERIES

MULTI-FUNCTIONAL CLEAR COATINGS

		140	240HDC	240SC	240CC
Spec	Viscosity @ 45C (cP)	10><13	10><13	10><13	10><13
	Surface Tension (Dyne/cm2)	22><24	21><24	34><36	34><36
Cure	UV (Hg)	YES	YES	YES	YES
	LED (395nm)	NO	YES	YES	YES
Speed (up-to)	Dependent on head type	75m/min	75m/min	75m/min	50m/min
Clarity Rating	Transparency of finished clear coat	3	2	1	3
Foiling	Cold	YES	YES	YES	YES
	Hot	YES	YES	YES	NO
Flooding	100% coverage at high film waits	3	3	2	2
Spot	Greyscale & detailing	1	1	3	2
EU Reach Compliant		YES	YES	YES	YES
Satellite Reduction Chemistry (SRC)		NO	YES	YES	YES
High Laydown Capability	* Only available with some printheads	NO	NO	YES*	YES*
EN71 Approved		YES	YES	YES	YES
Odor level		2	2	2	2
Low Migration	** Migration must be independently tested per application	YES**	YES**	YES*	YES**
Nestlé Compliant		NO	NO	NO	NO
Swiss Ordinance Compliant		NO	NO	NO	NO

Clear Functional Fluids

Nazdar 140 Series

Nazdar's 140 fluid has been designed with the narrow web packaging market in mind. Its wide adhesion range to synthetic substrates make it ideal for embellishments, adding value to most pre-printed designs.

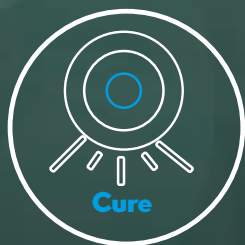
Clear Functional Fluids

Key Features

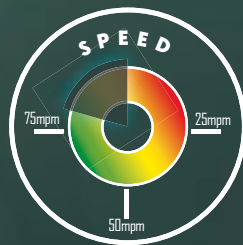
- Curable with mercury lamps.
- Designed for flood/heavy deposit applications.
- Line speeds of 75 meters/minute.
- Formulated for use with typical narrow web and roll label substrates.



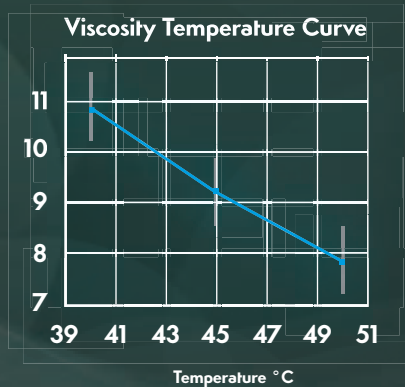
- Overprint Offset
- Label Stock
- Overprint Laminate
- Overprint Flexo
- Shrink Sleeve
- Overprint Drytoner



- Mercury Lamp
- *Can be pin-cured with LED lamps



- Hot & Cold Foiling with outstanding results.
- Recently the addition of embellishments such as over-foiling has been trending.
- This gives brand owners increased shelf-appeal with their end customers.



Clear Functional Fluids

Nazdar 240 HDC Series

240 HDC is a high-build varnish with outstanding flow for high-speed inkjet printing. With Satellite Reduction Chemistry built in, superior edge-definition, and optimum clarity, 240 HDC is excellent for digital overprint varnish applications. Once pinned, the ink film accepts foiling, hot or cold.

Clear Functional Fluids

Key Features

- Curable with LED mercury lamps.
- Designed for high-build applications.
- Line speeds of 75 meters/minute.
- Formulated for use with typical narrow web and roll label substrates.
- Outstanding flexibility for folding, edge-cutting and creasing.



Overprint Offset

Label Stock

Overprint Laminate

Overprint Flexo

Shrink Sleeve

Overprint Drytoner

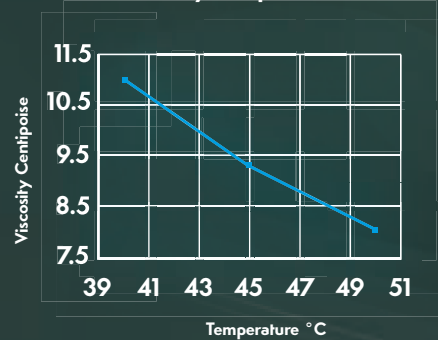


Mercury Lamp

*Can be pin-cured
with LED lamps



Viscosity Temperature Curve



Satellite Reduction Chemistry

Nazdar fluids have been chemically designed such that each ejected drop has outstanding rheology properties that greatly reduce the risk of heavy satelliting.

SRC helps with drop placement quality, reducing the need for the integration of mist mediation devices within the printer.

Drops have visibly improved in-flight elasticity, with the ligature showing uniformity even at high throw distances.

Clear Functional Fluids

Nazdar 240 SC Series

Nazdar's 240 SC can produce fine detail while maintaining good flow characteristics. 240 SC also allows high-build applications in the growing market of tactile finishes. Its structural properties allow high deposits to keep their edge formation without compromising on overall gloss finish.



Overprint Offset

Label Stock

Overprint Laminate

Overprint Flexo

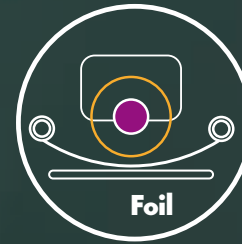
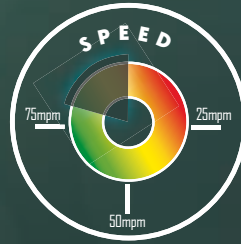
Shrink Sleeve

Overprint Drytoner



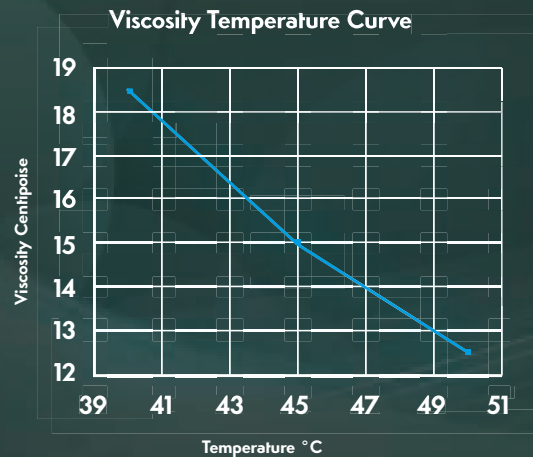
Mercury Lamp

*Can be pin-cured
with LED lamps



Hot & Cold Foiling
with Outstanding Results

Recently the addition of embellishments such as over-foiling has been trending. This gives brand owners increased shelf-appeal with their end customers.



Clear Functional Fluids

Key Features

- Curable with mercury lamps.
- Designed for flood/heavy deposit applications.
- Line speeds of 75 meters/minute.
- Formulated for use with typical narrow web and roll label substrates.



Clear Functional Fluids

Nazdar 240 CC Series

240 CC features Nazdar's Crystal Clear technology; the outstanding clarity allows high deposits to be printed with little yellowing once cured. Its rheology characteristics also allow for excellent edge definition, even in high laydown mode. In addition to excellent clarity, 240 CC offers outstanding foiling capabilities, truly making it a next-generation clear.

Clear Functional Fluids

Key Features

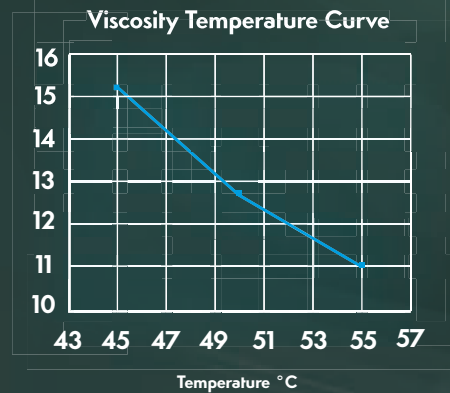
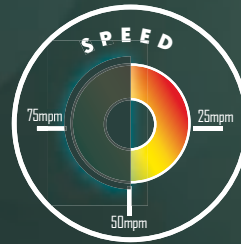
- Curable with LED and mercury lamps
- Designed for high-build applications
- Line speeds of up to 50 meters/minute
- Formulated for use in high build applications Outstanding clarity



Overprint Offset
Label Stock
Overprint Laminate
Overprint Flexo
Shrink Sleeve
Overprint Drytoner



Mercury Lamp
LED (395nm)



Crystal Clear Technology

When printing high-build deposits of varnish with LED-cured fluids, clarity can sometimes suffer from yellowing.

For the Crystal Clear range, Nazdar's R&D team has focused on low discoloration, providing a clarity that is unsurpassed in its field. This allows Nazdar partners the freedom to use LED-cure while maintaining original color requirements.



Packaging & Labelling

Packaging & Labelling

SERIES

Spec	Viscosity @ 45C (cP)
	Surface Tension (Dyne/cm2)
Cure	UV (Hg)
	LED (395nm)
Speed (up-to)	Dependent on printhead type
Colour	
EU Reach Compliant	
Satellite Reduction Chemistry (SRC)	
High Laydown Capability	
Pack Size	
Low Odour	
Low Migration**	** Migration must be independently tested per application
Nestlé Compliant	
Swiss Ordinance Compliant	

PACKAGING & LABELLING

200	201	205	220
10><13	8><9	10><13	10><13
22><25	22><24	27><29	21><23
YES	YES	YES	YES
YES	YES	YES	YES
75m/min	75m/min	75m/min	50m/min
CMYK	CMYK+W	White	CMYK+W
YES	YES	YES	YES
NO	YES	YES	YES
NO	NO	NO	NO
5-liter, 1-liter	5-liter, 1-liter	5-liter, 1-liter	5-liter, 1-liter
YES	YES	YES	YES
YES**	YES**	YES**	YES**
NO	NO	NO	YES
NO	NO	YES	YES

Scale: 1 = moderate performance, 3 = optimal performance



Packaging & Labelling

Nazdar 200 Series

Nazdar's 200 fluids are basic LED-curing narrow web inks designed for applications that do not require high-speed or adherence to compliance standards like EuPIA or Nestle.

Packaging & Labelling

Key Features

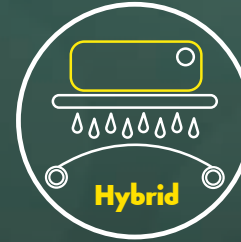
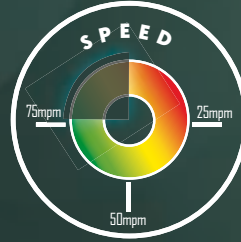
- Curable with LED mercury lamps.
- Designed for narrow web and roll label applications.
- Line speeds of up to 75 meters/minute.
- Low odor components.
- European REACH Compliant.



Label Stock
Infographics



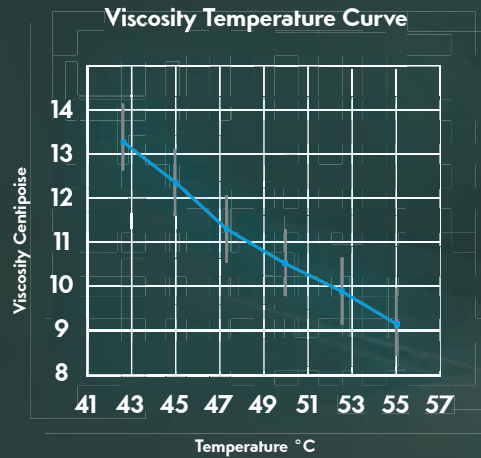
LED (395nm)



The 200 series is fit for flexo/
inkjet legacy technology with
an affordable, low odor, LED
curable solution.



Standard Colour Range



Packaging & Labelling

Nazdar 201 Series

Nazdar 201 is Nazdar's latest narrow web and packaging fluid, featuring an updated rheology package suited for today's printhead speeds.

Packaging & Labelling

Key Features

- Curable with LED mercury lamps
- Designed for narrow web and roll label applications
- Line speeds of up to 75 meters/minute
- Low odor components
- European REACH Compliant
- Bright White



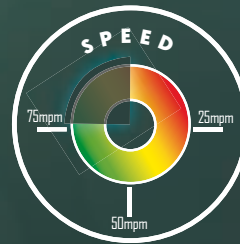
Application

Label Stock
Infographics



Cure

LED (395nm)

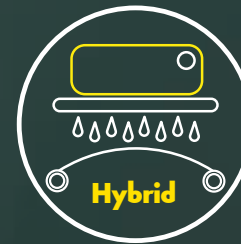


SPEED

75mpm

25mpm

50mpm

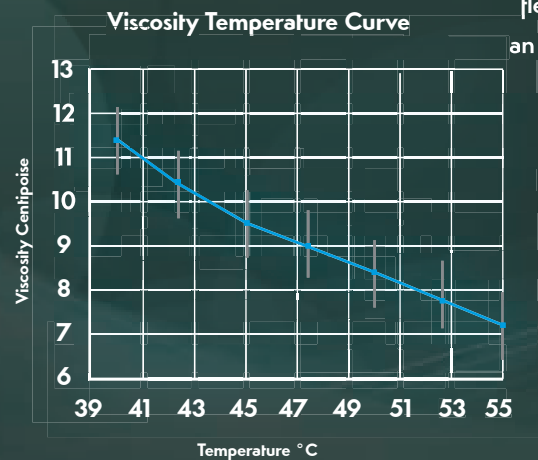


Hybrid

The 201 series is a fit for current flexo/inkjet technology, with an updated rheology package.



Standard Colour Range



Packaging & Labelling

Nazdar 205 Series

Nazdar's 205 White is specially designed to withstand the heat and humidity of shrink sleeve applications.

Packaging & Labelling

Key Features

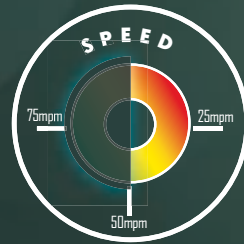
- Curable with LED and mercury lamps
- Designed for high-build applications Line speeds of up to 50 meters/minute
- Formulated for use with high-build applications
- Outstanding clarity



Label Stock
Infographics



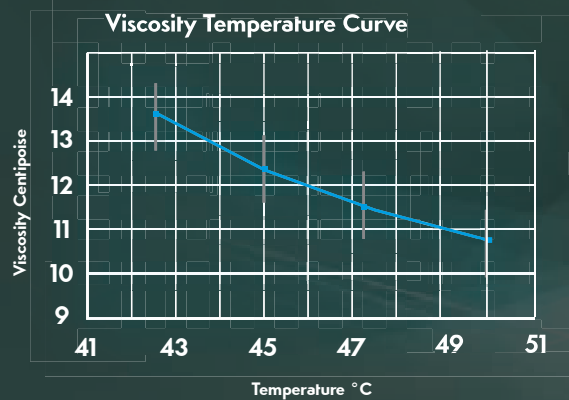
LED (395nm)



The 205 White is an ideal option for variable data for shrink sleeve applications



Standard Colour Range



Packaging & Labelling

Nazdar 220 Series

Nazdar's 220 fluid has been designed with the narrow web packaging market in mind. Its wide adhesion range to synthetic substrates make it ideal for embellishments, adding value to most pre-printed designs.

Packaging & Labelling

Key Features

- Designed to be cured in an oxygen-inhibited nitrogen environment Nestlé and Swiss
- Ordinance compliant
- Low odor, low migration formulation
- EuPIA compliant
- Ideal for food packaging



Application

Label Stock

Shrink Sleeve

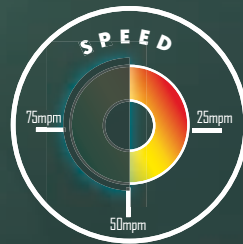
Overprint Flexo

Overprint Dry-Toner

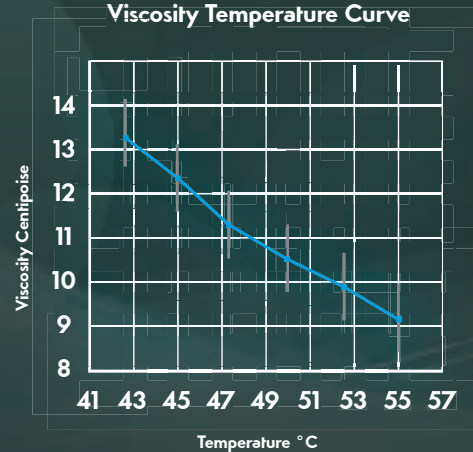


Cure

LED (395nm)



Viscosity Temperature Curve



Standard Colour Range



Extended Colour Range

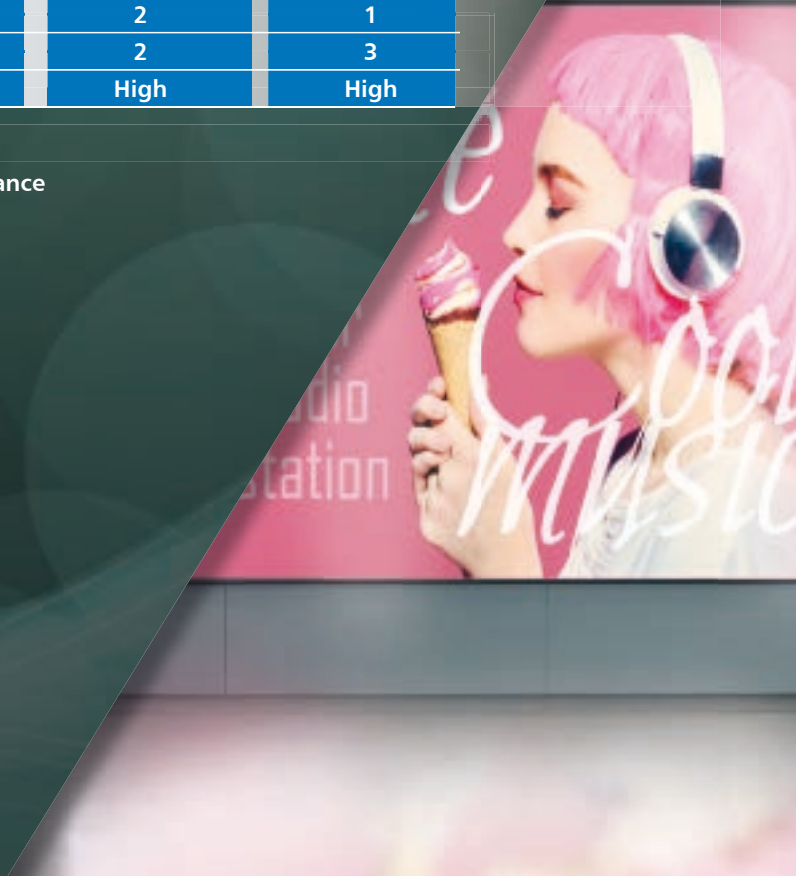


Multi-pass Graphics Fluids

Multi-pass Graphics

		MULTI-PASS UV GRAPHIC INKS				
		LVRHD Non-heated ink system	MVK	Graphic Heated ink system (45°C)	LOLED	LOMR LED
Spec	Viscosity @ 45C (cP)	6 - 8 @ 25C	6-8	10-13	10-13	10-13
	Surface Tension (Dyne/cm2)	34 - 37	21-23	22-24	27-30	22-26
Platform	Flatbed	-	2	1	2	3
	Hybrid	1	2	1	3	2
	Roll-to-Roll	3	3	3	2	1
Cure	UV (Hg)	YES	YES	YES	YES	YES
	LED (395nm)	YES	YES	YES	YES	YES
Odour		Low	Low	Medium	Low	Medium
Flexible Substrate		3	3	3	2	1
Rigid Substrate		1	2	1	2	3
Colour Strength		High	High	Medium	High	High

Scale: 1 = moderate performance, 3 = optimal performance



Nazdar LVHD

LVR-E is a low-odor ink intended for the low viscosity range of graphics market printheads. Designed for use at room temperature in non-heated heads, it displays excellent color gamut, print consistency and a very wide range of compatibility on both flexible and rigid substrates.

Key Features

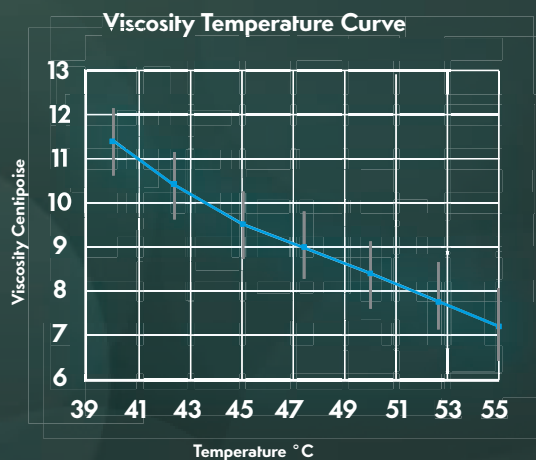
- Non-heated ink system
- Uses low odor components
- Rated for 2-year outdoor applications (Northern hemisphere)
- Pigments are blue wood 7 - 8



Flexible Graphic
Rigid Boards
Synthetic Leather
Product Print
Mobile Phone Cases
PVC



LED (395nm)



Low Odour

Not all inks are created equal, and not all inks smell the same. With our low odor, low viscosity ink, LVR-E features nearly no smell.



Nazdar MVK

Nazdar's MVK fluid is a medium-viscosity dual-cure ink. This ink set is an excellent choice for all printer types – Roll to Roll, Hybrid or Flatbed – and can be used in both LED and Mercury lamp systems. In addition to versatility, MVK offers excellent color gamut and reliability.

Key Features

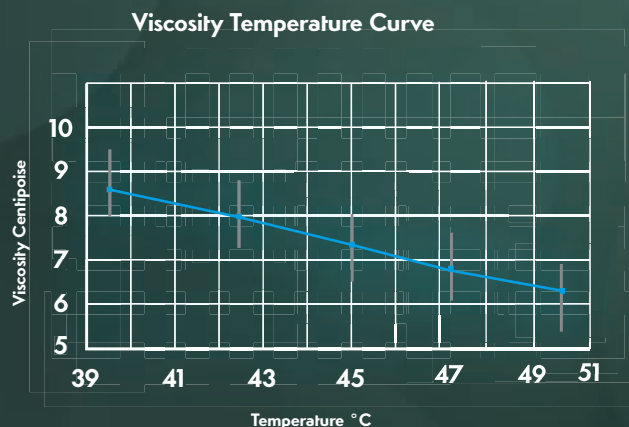
- Designed for medium-viscosity printheads
- Chemistry uses lower odor components
- Extended idle time before purge/wipe
- Pigments are blue wool 7 – 8
- Curable by UV (Hg), D bulb (Fe), UV iron dope (Hg + Fe), & LED mercury lamps



Flexible Graphic
Rigid Boards
Furniture
Product Print
Synthetic Leather

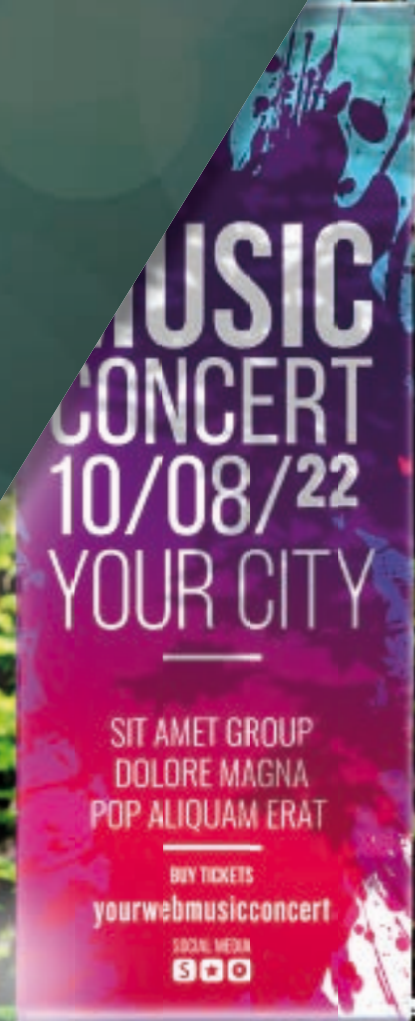


Mercury Lamp
LED (395nm)



Medium Viscosity

A world between non-heated and traditional heated heads, the medium-viscosity MVK is a versatile curing ink perfect for R2R and Hybrid applications.



Nazdar Graphic

Nazdar's Graphic inks have been designed to run in a heated ink system for the multi-pass display and durable graphics market. These inks are ideal for Roll to Roll and some Hybrid systems, offering superb flexibility in a low-odor formulation.



Flexible Graphic

Rigid Boards

Billboard

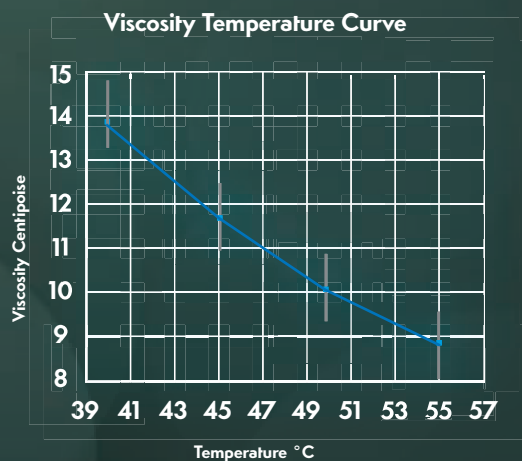
Display

Self-Adhesive Vinyl

PVC



LED (395nm)



Low Odour

In the ink world, we know chemicals smell, and that can make it difficult when printing in smaller areas or areas without ventilation. As UV inks do not contain VOC's, we took the next step to lowering the odor too, so you can print in better comfort.

Multi-pass Graphics

Key Features

- Designed for roll-to-roll graphics and billboard applications Curable by UV (Hg) and LED mercury lamps
- Pigments are blue wool 7 – 8
- Excellent flexibility, folding and creasing characteristics Ideal for stretchable backlit display media of various types



Nazdar LOLED

LOLED is Nazdar's premium universal ink for all types of printers. With great flexibility and performance on rigid substrates, LOLED can be used on Hybrid, Roll to Roll and Flatbed printers. The very low odor formulation and versatile applications, LOLED produces excellent outdoor and indoor graphics and displays.

Key Features

- Low odor formulation
- Pigments are blue wool 7 - 8
- High impact, high intensity colors with extended color gamut Adhesion on a wide variety of flexible and rigid substrates
- Curable by UV (Hg) and LED mercury lamps



Application

Flexible Graphic

Rigid Boards

Furniture

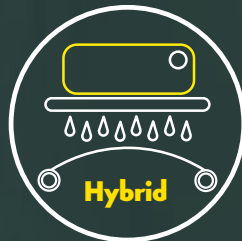
Product Print

Synthetic Leather



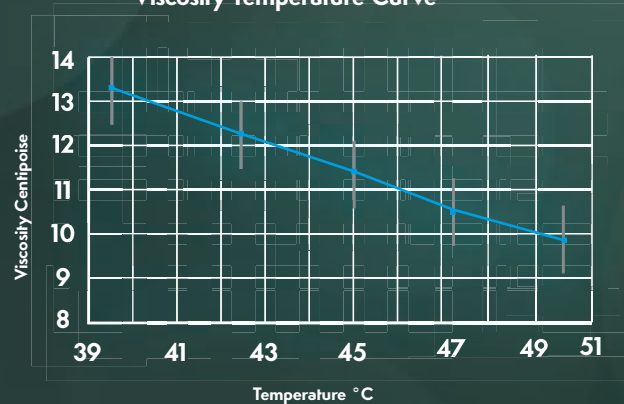
Cure

LED (395nm)



Hybrid

Viscosity Temperature Curve



Options for all printers

Formulated for use in both flexible and rigid applications, with excellent resistance to edge chipping on rigid substrates.



Nazdar LOMR LED

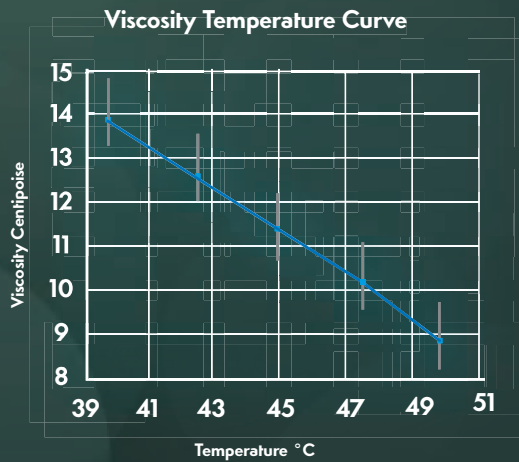
Nazdar's LOMR LED has been specifically designed for optimum performance on flatbed printers. Utilizing vibrant pigments and advanced formulations, the results are not just eye-catching – they also offer the scratch resistance and rigid substrate adhesion demanded in the outdoor and indoor sign and display markets.



- Graphics
- Outdoor Signage
- Display
- Rigid Boards
- Product Print



Mercury Lamp
LED (395nm)



From Coated Stock to Acrylic and More
For flatbed, you need an ink that can achieve adhesion and finishing capabilities on a wide range of substrates, including hard-to-adhere-to items such as acrylic. LOMR LED offers this excellent versatility.

Multi-pass Graphics

Key Features

- Low odor formulation
- Pigments are blue wool 7 – 8
- Curable by UV (Hg) and LED mercury lamps
- High impact, high intensity colors with extended color gamut
- Excellent resistance to edge chipping on rigid substrates when used with a knife or router cutter



Textiles

Nazdar's DTG inks have been formulated to print directly on to cotton-rich garments. These water-based pigmented inks offer outstanding color vibrancy and excellent wash- and light-fastness. Color vibrance is enhanced with the high-density, high-opacity white, enabling superb contrast once the colors are printed.

Additionally, the ink set is designed to maintain the natural feel of the fabric, which is vital for apparel and garment applications. All colors in DTG's range benefit from the low-odor chemistry developed by Nazdar, ensuring excellent finished products.

Textiles

Additional Products: Cleaning Solution

Fabric Pre-treatment

Viscosity Range:

3-5cPs @ 25°C

10-12cPs @ 25°C



Digital Garment Printing
Sports Apparel



100% Cotton
Cotton Rich Blends



High White Opacity
ensures great image quality and vibrant colors while maintaining a natural fabric.



Standard Colour Range



Nazdar NTP

Nazdar's NTP inks are pigmented digital textile inks designed for printing directly to rolled fabrics for various applications, such as fashion and décor.

NTP's advanced chemistry formulation offers very low odor results, essential for indoor fabrics and clothing. It also exhibits excellent hand/feel, making it an ideal option for products in this demanding market.



Application

Soft Signage

Fashion

Décor



Substrate

100% Cotton

Cotton Rich Blends

White Roll Cotton



Wash Fastness

Excellent wash fastness from Nazdar dispersion technology.

Best results are achieved on cottons coated with a receptive coating.



Standard Colour Range

Textiles

Additional Products:

Cleaning Solution

Fabric Pre-treatment

Viscosity Range:

3-5cPs @ 25°C

6-7cPs @ 25°C

11 - 12 cPs @ 25°C



Nazdar NTS

Nazdar's NTS dye-sublimation inks produce strong, vibrant colors. Fast drying times and high transfer rates make Nazdar NTS ideal for high-speed applications, able to run on lightweight papers essential in modern high-output production facilities.

In addition to excellent color, NTS has been specially designed to maintain superb hand/feel of the final product, as well as low-odor.

Textiles

Additional Products:

Cleaning Solution

Viscosity Range:

3-5cPs @ 25°C

6-7cPs @ 25°C



Transfer Dye-Sublimation
Direct Dye-Sublimation



Dye-Sublimation Paper
Coated Polyester



Low odor
characteristics are a key feature of Nazdar NTS dye sublimation inks. This is essential in its target markets of internal décor and clothing.



Standard Colour Range



Commercial Print

Nazdar NCP

Nazdar NCP inks are suitable for an array of applications including books, photographic images, promotional brochures/leaflets, direct-mail, book covers, calendars and artwork.

NCP's advanced dispersion chemistry enables the high-speed and high-volume printing essential in today's commercial print market.



Application

- Publishing
- Transaction Printing
- Direct Mail
- Packaging
- Photo Publishing



Substrate

- Uncoated Paper
- Coated Paper
- Card Stock
- Folding Box Board
- Corrugated Liner



Special Features

Nazdar NCP advanced formulation and production techniques enable extremely high-density output while maintaining very high print speed.



Standard Colour Range



Nazdar DEC

With consumer demand for custom graphics/wallpaper increasing dramatically, the flexibility to produce short-run and sample quantities is essential. This has led to greater adoption of digital inkjet within the wallpaper and wall coverings sectors.

Nazdar's NCW Series inks are ideally suited for these applications, offering a wide color-gamut to produce vibrant graphics. Just as essential, NCW features outstanding resistance and durability, along with great lightfastness, all of which keep the finished product looking good longer.



Digital Wallpaper Printing
Digital Wall Coverings



Coated & Uncoated Paper
Digitally Receptive Coverings



Wide Colour Gamut
A Wide Color Gamut is essential in inkjet printed wallpaper to ensure clients can reproduce their patterns and designs. Nazdar NCW utilizes custom pigment dispersion technology to give a wide and consistent color range every time.



Standard Colour Range



Extended Colour Range

Decor

Combination Printing
Additional Products:
Flexo Overcoats
Flexo Inkjet Receptive Coatings
UV Inkjet UV Inkjet Over Clear
Cleaning Solution

Viscosity Range:

3-5cPs @ 25°C

6-7cPs @ 25°C



Water-Based Packaging

Nazdar NCB

Corrugated cardboard sheet is a lightweight, versatile, eco-friendly substrate that maintains rigidity while offering the flexibility of cutting and creasing. Nazdar NCB Series can digital print directly to the face of corrugated cardboard, making it ideal for branding and promotional printing. NCB inks are also well-suited to print the variable data that is commonly found printed on such boxes.



Application

Packaging

Display

POP

Promotional Items



Substrate

Uncoated Corrugated Boards

Kraft Corrugated Boards

Specialty Corrugated Boards



Special Features

Fast drying time

Wide color-gamut

Vibrant colors

Low board distortion

High scuff resistance



Standard Colour Range



Extended Colour Range

Water-Based Packaging

Additional Products:

Flexo Overcoats

Flexo Inkjet Receptive Coatings UV Inkjet

Over Clear

Cleaning Solution

Viscosity Range:

10-12cPs @ 25°C

NCB offers outstanding results on many top liners used in today's corrugated market

- Kraft (K): Virgin Kraft paper
- Test 2 (T2): Partly recycled liner paper
- Test 3 (T): Fully recycled liner
- Fully Bleached White (BW): Fully bleached Kraft liner
- White Top (WT): White coated recycled liner
- Mottled Kraft (MK): Mottled white Kraft



Water-Based Packaging

Nazdar NPF

The use of flexible film in food and product packaging has increased exponentially, offering increased brand-awareness while improving shelf-life and cost-efficiency.

Nazdar's NPF inks have been designed to produce high-quality, full-color graphics on flexible film products, with excellent performance even at industrial output levels.

Water-Based Packaging

Additional Products:

Combination Printing
Flexo White
Flexo Overcoats
Flexo Inkjet Receptive Coatings
Cleaning Solution

Viscosity Range:

3-5cPs @ 25°C

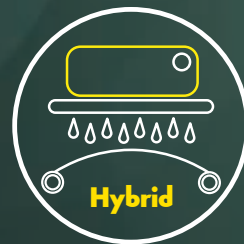
6-7cPs @ 25°C



Application
Product Labeling
Clear Packaging
Food Beverage



Substrate
Flexible Films
PET
BOP



Hybrid
Nazdar NPF is fit for current
flexo/inkjet technology.



Special Features
High Speed
Fast drying time
Wide color-gamut
Vibrant colors
NIR drying



Standard Colour Range



Extended Colour Range



Nazdar 3D

Nazdar L3D inks have been designed for excellent performance in High Speed Sintering (HSS) 3D-printing applications. Unlike other 3D-printing methods, HSS offers industrial-level production potential, due to its output speed capabilities.

HSS printing begins by depositing a fine layer of powder onto the bed surface of an HSS machine. An inkjet printhead passes across the layer, depositing the L3D inks (infrared light-absorbing fluids) directly onto the powder surface. The surface is irradiated with infrared light, causing the “printed” areas to melt (sinter); the unprinted areas remain as powder. A new layer of powder is added, and the process is repeated, layer-by-layer, until the 3D-object is complete. The un-sintered powder is removed to reveal the final, printed component.

This next-generation process offers the ability to create an entire printing-bed of objects at once, allowing for faster creation of multiple 3D-printed objects.



High Speed Sintering



Polymer Powder



Special Features

- Multiple chemistries:
 - Oil
 - Mineral Oil Free (MOF)
 - Water-Based
- Outstanding bond strength and flexibility

3D Printing

Additional Products:

Cleaning Solution

Viscosity Range:

6-7cPs @ 25°C

11-12 cPs @ 25°C



Inkjet Fluid Technology

The inks listed in this guide represent a starting point for the development of a product for the specific needs of an OEM project. You may find that an ink we have available will work perfectly for your application, or we may need to develop a partnership to produce a custom solution.

Nazdar's team is here to support your ink development

As one of the largest OEM ink manufacturers in the world, our years of experience in both analog and inkjet fluid development allow us to build custom fluids that meet the demands of any given market segment.

Achieving high-resolution accuracy with a specially-designed fluid – which also includes all required end-use characteristics – is a significant challenge. Nazdar's print experience and advanced chemistry knowledge allows us to provide these ideal fluid solutions at the right price point.



Satellite Reduction Chemistry

Nazdar fluids have been chemically designed such that each ejected drop has outstanding rheology properties that greatly reduce the risk of heavy satelliting.

SRC helps with drop placement quality, reducing the need for the integration of mist mediation devices within the printer.

Drops have visibly improved in-flight elasticity, with the ligature showing uniformity even at high throw distances.

Inkjet technology is pushing forward

It takes approximately 100 microseconds for a typical fluid droplet to be formed, travel to the substrate, land in the correct place, and start forming the correct image.

By comparison, a NASCAR™ vehicle will travel less than 1cm in the time it takes a fluid droplet to be ejected & land. In today's digital integrations, each head must accurately place up to 15 billion droplets of ink every second in order to form a high-resolution decoration.

Within the machine, an individual nozzle may fire up to a further 8 droplets of ink while the first droplet is still in flight. Therefore, it is paramount that each droplet in flight keeps its uniformity and shape through its short journey.

