LAMINATING ADHESIVES | ROTogravure AND CI FLEXO INKS | RADIATION CURABLE INKs & COATINGS | COATINGS & PRIMERS | SPECIALITY CHEMICALS | INK BINDERS
The Chemicals Business of Uflex manufactures world class quality inks, adhesives, speciality coatings and polyols used by converting industry. This business occupies leadership position in Solvent-based, Solvent-free and Water based Adhesives, PU Ink Binders, Flexo & Gravure Inks. It also offers Primers, Top Coats, Heat Seal Coatings, Energy Curable Coatings, UV Coatings, Solvent Borne Coatings, UV LED Coatings, water based inks, Radiation curable inks etc.

Uflex holds the pride of being India’s largest fully integrated multinational flexible packaging materials and solution provider with its products being supplied to over 140 countries. It is one of the fastest growing companies in India which began its operations in the mid-eighties. Uflex, today has turned into a billion-dollar entity focusing on trust and innovation to create value added differentiation, quality and customer satisfaction.
Uflex Chemicals has recently made to the top 15 club of ‘International Companies’ on the basis of global ink sales (ref. Ink World; August 2019).
More than goals a guide to action

We are committed to be a sustainable world-class solution provider for Inks, Adhesives and Speciality Chemicals.

We will achieve this by becoming a preferred supplier through:

- Providing innovative, consistent and customized products.
- Being responsible to all our stakeholders.

Thereby, building an open, joyful and knowledge-based culture.
Uflex Chemicals enjoys the distinction of being a complete solution provider for the flexible packaging industry by specializing in printing inks and binding needs of different types of laminates.

Quality inks, adhesives, specialty coatings and polyols are the backbone of the Chemicals Business of Uflex. Utilised primarily in the converting process for packaging, our list of highly acclaimed and much in demand products include Laminating Adhesives, Inks, water-based solutions and UV-LED inks and coatings. Apart from flexible packaging our adhesives also find extensive use in footwear and foam industries.

We have invested heavily in R&D and a feather in our cap has been the recognition our R & D lab by the Department of Science and Technology, Government of India.

Our Imprints

Sales:
USD 120 Million in FY 2018-19

Installed Annual Capacity (Inks, Coatings & Adhesives)
65,000 MT

Total Workforce
500+

1000+ Customers

Milestones

Incorporated in 1993 and headquartered in Noida (Uttar Pradesh, India)

Plants in NOIDA & Jammu

NABL accredited R & D Lab

R&D centre spread over 25,000 sq. ft.

Exports to nearly 20 countries such as Kuwait, Russia, Lebanon, Ukraine, USA, Canada, Nigeria, Indonesia, South Africa, Bangladesh, Pakistan & Nepal.
Commitment makes us different

Finest talents abreast with latest technologies suitably backed up with able machines and a corporate culture that promotes innovation and is geared towards customized solutions; yes that’s what makes us different.

Why Uflex Chemicals Business?

- Innovative Solutions
- Finest Product Quality
- Customized Products
- Wide Product Availability
- On-demand On-field Application Support
- One-Stop Shop
With a glorious start as Flex Chemicals in 1991 to establishing as Uflex Chemicals, the journey so far has been extremely exciting and innovation-driven. We have grown tremendously taking one step at a time and reaching milestones.

1991
- Inception

1993
- Installed capacity of 125 MT/Month

1995
- Started commercial production of adhesives

2000
- Received ISO 9001:2000 certification

2005
- First inks kitchen started in Jammu

2007
- NTKN inks introduced for Exports for the first time

2008
- Launch of second inks kitchen in Jammu

2009
- EB coatings Introduced

2012
- Installed capacity of 550MT/month for inks and 270 MT/month for adhesives established at Jammu

2015
- Commercialized EB coatings

2016
- R & D Facility spread across 25000 sqft set up at Noida
  - ISO 14001:2015
  - OHSAS 18001:2007

2017
- Distinction of receiving first NABL accreditation in our industry
  - ISO 50001:2011

2018
- Assessed for ISO 31000 Risk Management system

2019
- ISO 45001: 2018 An international standard for management systems of occupational health and safety.
Why Uflex Chemicals?

Key differentiators include:

- Continuously widening product range and improvements in product features
- Customised solutions to solve toughest problems
- Expert technical advise at your doorstep
- Centre of excellence to continuously raise operational performance
- Commitment & passion for exceptional customer service
- Intense focus on operations and consistency in product quality
- Highest integrity and commitment to compliances
Uflex Chemicals Business has pledged to promote green initiatives and some of them include:

**Development of water-based adhesives and Inks**
Eco-friendly product lines.

**Water conservation**
Water consumption closely monitored which has resulted in substantial reduction in water consumption.

**Reduction of hazardous waste generation**
Committed to be well below the statutory norms of waste generation.

**Energy conservation**
Extensive measures to conserve power across all operations.

**Control air, ground and water pollution**
Preventing release of pollutants in the air through engineering controls.

**ETP (Effluent Treatment Plant) & STP (Sewage Treatment Plant)**
Monitored by trained professionals along with regular 3rd party inspections.
From north to south and east to west the countrywide presence of our customer-centric marketing team, pro-active agents and a network of warehouses ensure that your requirements are fulfilled in the shortest possible time.
Catering to every need

A wide range of product portfolio along with customized solutions to cover your every need

**LAMINATING**
- Solvent-based
- Solvent-free
- Water-based

**ROTOGRAVURE AND CI FLEXO INKS**
- PU-based Inks
- NC-based Inks
- Vinyl-based Inks
- PP Extrusion Inks
- Water-based Inks
- NCPU Inks

**RADIATION CURABLE INKS & COATINGS**
- UV Inks for Sheetfed, Flexo, Letterpress & Screen Printing
- UV-LED Inks for Screen Printing, Sheetfed, Flexo & Letterpress
- UV & LED Texture Solution
- UV LED and EB Coatings
- Speciality Coatings

**COATINGS & PRIMERS**
- Top Coats/OverCoats
- Primers/UnderCoat
- Specialty Coatings- Gloss & Matt
- Extrusion Primers

**SPECIALITY CHEMICALS**
- Polyol for Shoe Sole
- Rigid and Flexible Foam Polyl
- PU and Epoxy Acrylates for Radcure Coatings

**INK BINDERS**
- Solvent-based Plasticizing PU-75%
- Solvent-based Film forming PU-36%
- Water-based Acrylic Ink Binders

**CROSSLINKERS**

**CLEANERS**
A. General performance

1. Flexbon FL- 480 FC/Flexbon 9081 L (80% / 75% solids)
   Based on Polyester polyol chemistry.
   • Two component SB general performance PU adhesive recommended for non-aggressive applications. Good performance on metallized substrates, and PE substrates.
   Not recommended for Nitrogen flushing applications.
   Recommended for various substrates like PET/ MET PET/ BOPP/MET BOPP /CPP/Pearlized BOPP/PE upto 60 microns.

2. Flexbon 672/75/ Flexbon 9062L (75% / 50% solids)
   Based on Polyurethane chemistry. Can run on the higher speed with good solvent release.
   • Two component SB general performance PU adhesive recommended for non-aggressive applications. Good performance on metallized substrates, and PE substrates.
   Recommended for various substrates like PET/ MET PET/ BOPP/MET BOPP /CPP/Pearlized BOPP/PE up to 60 microns.

3. Flexbon 80W/ FL 9081L White Adhesive (72% / 75% solids)
   Based on Polyester polyol white pigmented chemistry.
   • Two component SB general performance PU adhesive recommended for non-aggressive applications. Good performance on metallized substrates, and PE substrates. Enhances the opacity and reduces the cost of white ink.
   Not recommended for Nitrogen flushing applications.
   Recommended for various substrates like PET/ MET PET/ BOPP/MET BOPP /CPP/Pearlized BOPP/PE up to 60 microns.

4. Flexbon 162R/162 (80%/100% solids) is a 2 component solvent-based PU adhesive. The system is applicable at high solids, has good wettability and solvent release during lamination. It has good adhesion on all metallized and non-metallized films, and is easy to handle. It is suitable on films such as PET, OPP, Nylon, PE, PS and aluminium foil/film.
B. Medium Performance

1. **FLEXCOTE 1152/FLEXBON 9062L (66%/50% Solids)**
   - Two component SB medium performance PU adhesive, recommended to use in nitrogen flushing and aggressive applications. Recommended on various substrates such as PET/MET PET/AL FOIL/Nylon/BOPP/MET BOPP/CPP/PE up to 130 microns.

2. **FLEXBON FL 3511/FLEXBON 9062L (66%/50% Solids)**
   - Two component SB medium performance PU adhesive with higher crystallization rate increased curing with higher HR recommended to use on aggressive applications. It has better drying properties. Recommended on various substrates such as PET/MET PET/AL FOIL/Nylon/BOPP/MET BOPP/CPP/PE up to 130 microns.

3. **FLEXBON 3511 M1/FLEXBON 9062 L (66%/50% Solids)**
   - Two component SB medium performance PU adhesive with excellent results on metallized jobs. Recommended on various substrates such as PET/MET PET/BOPP/MET BOPP/ CPP/Pearlized BOPP.

4. **FLEXCOTE 475-75/9081 L (75%/75% Solids)**
   - Two component SB medium performance PU adhesive with higher solids. Recommended on various substrates such as PET/MET PET/AL FOIL/Nylon/BOPP/MET BOPP/CPP/PE up to 130 microns.

5. **Flexcote 1152W/ FL 9062L White Adhesive (62%/50% solids)**
   - Based on Polyurethane white pigmented chemistry.
   - Two component SB medium performance PU adhesive recommended for aggressive applications. Good performance on metallized substrates, and PE substrates. Enhances the opacity and reduces the cost of white ink. Recommended for various substrates like PET/MET PET/ BOPP/MET BOPP/CPP/Pearlized BOPP/PE up to 100 microns.

C. High Performance

1. **FLEXBON 1154 R/1154 A (60%/50% Solids)**
   - High performance reverse system Two component SB PU adhesive, designed for hot filling applications, has good HR, chemical and heat resistant, can be used for frozen foods as well. Recommended on various substrates such as PET/MET PET/AL FOIL/ NYLON/BOPP/MET BOPP/CPP/PE up to 150 microns. Not recommended for retort applications.

2. **Flexbon 875/9081L/HP75**
   - High performance two component solvent-based adhesive designed for boiling to pasteurization applications. Recommended on various substrates such as PER/MET PET/AL FOIL/ NYLON/BOPP/MET BOPP/CPP/PE up to 150 microns.
LAMINATING ADHESIVES
Solvent-Free - Flexible Packaging

A. General Performance

- **FLEXBON FL-146A/146C**
  - Two component SL PU adhesive for general performance application not recommended for nitrogen flushing. Low viscosity product, with excellent wettability on metallized structures. Energy efficient product operated at low temperatures. Recommended on various substrates such as PET/MET PET/BOPP/MET BOPP/CPP/MET CPP/Pearlized BOPP. Not recommended for PE films.

B. Medium Performance

1. **FLEXBON - 901A/901W White Adhesive**
   - A general performance to medium performance — Two component solvent free — Pigmented PU adhesive. It has a good opacity and gloss with white pigment concentration. The product is suitable for low temperature (35–45°C) applications and has an excellent adhesion on a variety of films. It is suitable for high speed lamination, adjusting the opacity. Recommended for film-to-film application in order to reduce the cost of white ink and the process cost of printing inks and solvents. Suitable for BOPP, METBOPP, LDPE (up to 50 microns thickness) and PP non-woven fabrics.

2. **FLEXBON - 777A/777C**
   - A general to medium performance — 2 Component solvent-free — adhesive. This product is suitable for low temperature (40–45°C) applications and has an excellent adhesion on a variety of metallized films. It is suitable for high speed lamination with BOPP/BOPP, OPP/OPP,PET/PE and PE upto 70 microns. Offers higher chemical and heat resistance with excellent bond strength.

3. **FLEXBON 777A/999C**
   - A general to medium performance, two component solvent-free adhesive which is a combination of polyether and polyester chain chemistry with no COF increase. It offers excellent bond and seal strength. Recommended for PE upto 100 microns. It offers fast curing, adhesion and good bond strength. Suitable for BOPP / BOPP, BOPP / MCPP and BOPP / MBOPP.

4. **FLEXBON 702 A/702 C**
   - Two component SL PU adhesive for general to medium performance. Excellent results on metallized and PE substrates. Based on polyester chemistry, imparts good heat and chemical resistant properties. Recommended on various substrates such as PET/MET PET/BOPP/MET BOPP/ Pearlized BOPP/CPP/MET CPP/PE.

5. **FLEXBON 631 A/ 631 C**
   - Two component SL PU adhesive for general to medium performance. Based on polyether chemistry, gives good hydrolytic stability (resistant to moisture). Low viscosity and low heat build-up during lamination. Recommended on various substrates such as PET/MET PET/BOPP/MET BOPP/CPP/ MET CPP/ PE up to 100 microns.

C. Mono-Component Solvent-free Adhesive

- **FLEXBON OC 512/OC 511** are one component solvent-free (moisture curing type) adhesives based on PU, designed for laminating film to printed and unprinted board and film to printed and unprinted paper.
A. Dry Bond Lamination Adhesive:

1. **FLEXBOND FP DRY LAM F2F AEM 36 P** - A waterborne acrylic adhesive designed for use in the manufacture of flexible film laminates for food packaging. This is a one-component, formaldehyde-free, all-acrylic adhesive. It can be applied by conventional gravure cylinder coating technique.

2. **FLEXBOND FP DRY LAM AEM 36** - A waterborne acrylic adhesive designed for use in the manufacture of flexible film and paper to foil laminates for food packaging. This is one-component, formaldehyde-free, all-acrylic adhesive. It can be applied by conventional gravure cylinder coating techniques.

3. **FLEXBOND FP DRY LAM HR AEM 90** - A single component water-base acrylic adhesive for manufacture of flexible film laminates of paper to aluminum foil, m-CPP and m-PET structures with excellent heat resistance properties.

4. **Flexbond FP two component Dry lam HR AER with Flexcross FP two component hardener AEK 3%** is a water-based acrylic adhesive for the manufacture of flexible film laminates of paper to PET film and paper to aluminum foil, metalised film to paper with excellent heat resistance properties.

5. **Flexbond FP Two Component DRY Bond VF 12C with Flexcross FP two component hardener VF 12K-3%** is a waterborne acrylic adhesive for the manufacture of flexible film laminates of paper to BOPP and paper to aluminium foil structures with high heat resistance properties.

B. Wet Bond Lamination adhesives:

- **FLEXBOND FP WET LAM AEM 37** - A water-based synthetic resin emulsion adhesive used mainly for lamination of aluminum foil or m-CPP to paper. It is recommended for wet bond lamination process. It can be applied by conventional gravure cylinder coating techniques.

C. Water Based Heat Seal Coating

- **FLEXSEAL HSL WBHS 18** - An aqueous dispersion, environment-friendly heat seal coating designed to give good adhesion and heat sealing property on substrates such as paper to paper and aluminum foil to aluminum foil. It has good oil and water resistance properties.
A. Dry Bond Lamination Adhesive:

1. Flexbond SF DRY LAM FB - A water-based synthetic resin emulsion adhesive designed mainly for carton making for side pasting and flap sealing application. It is recommended for BOPP or PET laminates with paper board. It can be used on all standard wheel / roller applicators.

2. Flexbond SF DRY LAM FB (HP) - A water-based acrylic adhesive having excellent bond strength, mainly designed for lamination of films (PET or BOPP) and metalized films to paper / duplex board for offset industries. It is recommended for dry bond lamination process.

B. Wet Bond Lamination adhesives:

- Flexbond SF Wet BOND LAM-HSW 55 - A water-based synthetic resin emulsion adhesive, primarily used for wet lamination of PET, BOPP films (clear or metallized) and matt BOPP to paper/duplex board.

C. SIDE Pasting Adhesive

- Flexbond SF SIDE Pasting SPA - A water-based acrylic adhesive designed primarily for lamination of films (plain PET or BOPP) and metalized or holo-metalized film to paper/duplex board for offset industries. It provides good dimensional stability on sheets after lamination. It is recommended for dry bond lamination process.

D. Flute Lamination

- Flexbond SF-E Flute LAM -LF - A water-based synthetic resin emulsion adhesive designed mainly for lamination of flute board to Paper/ duplex board. It can be applied by fully/ semi-automatic machine or with roller coater.
Water-based Coatings/Varnishes - Offset & Flexo

A. Water Based OPV: OPV for Paper board.

1. FLEXCOAT SUPER GLOSS OPV-1000 - A waterborne copolymer emulsion for over printing of printed paper and board. It is designed to give extremely super gloss properties with good flow and levelling on the substrate. It creates an even, smooth surface with good slip properties.

2. FLEXCOAT ECO WR OPV - 1008 - A waterborne copolymer emulsion for over printing of printed paper and paper board. It is specially designed to give excellent scuff resistance and water resistance properties. It is also suitable for deep freeze resistance application. It creates an even, smooth surface with good slip properties. Suitable for paper cups & ice cream cones.

3. FLEXCOAT High Gloss OPV-1001 - A waterborne copolymer emulsion for over printing of printed paper and board. It creates an even, smooth surface with high gloss and high scuff properties.

4. FLEXCOAT Matt OPV-1006 - A waterborne copolymer emulsion for over printing of printed paper and board. It is designed to give an even, smooth surface with excellent matt effect.

5. FLEXCOAT HIGH SCUFF WR OPV-1007 - A waterborne copolymer emulsion for over printing of printed paper and board. It provides excellent scuff resistance with good water resistance properties. It creates an even, smooth surface with good slip properties.

B. Water Based Primer: Inline Primer and METPET basecoat.

1. FLEXPRIME Inline Primer-1004 - A waterborne copolymer dispersion for primer coating on printed paper and board with oil base inks. It is suitable as a top coat on oil base inks for varnishing with UV coatings.

2. FLEXPRIME METPET Basecoat 1005 - A waterborne copolymer dispersion designed for primer coating on MET-PET or Metalized board. It exhibits good transparency and adhesion properties with strong anchoring of UV ink.

C. FLEXBOND FP BARRIER COAT- UF007 - An aqueous dispersion, environment-friendly, barrier coating designed to offer good oxygen barrier to metalized polyester and BOPP film.
Radiation Curable Products (UV LED) for offset/flexo/letterpress

A. Radiation Curable Inks
- UV inks for Sheetfed, Narrow Web, Letterpress and screen printing
- UV LED inks for Sheetfed, Narrow Web, Letterpress and screen printing

B. Electron Beam Coatings/Varnishes
- Flexbeam High Gloss Coating
- Flexbeam Matt Coating
- Flexbeam Cast N Cure Coating

C. UV LED Coatings/Varnishes
- Flexgreen LED High Gloss Coating
- Flexgreen LED O/S Duct Gloss Coating
- Flexgreen LED Drip Off Texture Gloss Top Coat
- Flexgreen LED Off Matt Texture Base Coat

D. Ultra Violet Coatings/Varnishes
- Flexcure HFS Coating
- Flexcure High Gloss Coating
- Flexcure High Gloss BP & ITX Free Coating
- Flexcure Screen Coating
- Flexcure High Gloss LO Coating
- Flexcure Single Texture Gloss Coating
- Flexcure Drip Off Texture Top Coat
- Flexcure Drip Off Matt Texture Base Coat
- Flexcure Duct Drip Off Texture Gloss Coating
- Flexcure High Gloss LO Top Coat
- Flexcure Gloss Coating
- Flexcure High Gloss Coating - PVC Profile
- Flexcure Super Slip PC Coating
- Flexcure Texture Gloss Coating - PVC Profile
- Flexcure Matt Coating - PVC Profile
- Flexcure Cast N Cure Coating

Water-based Inks

Flex Aquapap-Core is a water based Flexo, surface Printing ink system suitable for Paper printing.

FLEX AQUA FOIL is a water-based Gravure, surface Printing ink system suitable for primed foil printing (Pan Masala and other packaging applications).

FLEX AQUALAM is a water-based ink system, suitable for Gravure reverse printing purpose.

FLEX AQUAPAP is a high gloss ink series formulated for the gravure press printing market. This system offers good dry speeds with excellent adhesion to most paper stocks.

Water-based coating

FLEX AQUAFOIL HIGH HR COATING is a high HR opv designed for paper foil laminate (foil side printing) surface printing application.
**Liquid Inks for flexible packaging**

**Gravure**

**A. Surface**

1. **Non-HR**
   - **FLEXGLOSS** - Polyamide base common inks system for gravure and stack flexo surface printing on flexible films.
   - **FLEXGLOSS FR** - Polyamide base gravure printing deep freeze, milk resistance, inks for surface printing on flexible films.

2. **HR**
   - **FLEXPAP HG** - High gloss gravure process system for paper applications.
   - **FLEXPAP** - Normal HR Paper - gravure ink system for surface printing for paper applications.
   - **FLEXFOIL 300 (High HR)** - High heat resistant gravure process surface printing ink system for aluminium foil applications.

**B. Reverse**

1. **Lamination**
   - **FLEXLAM** - Flexlam vinyl-based reverse lamination ink system for gravure printing.
   - **FLEXLAM -NT** - Toluene free Vinyl-based reverse lamination ink system for gravure printing.
   - **FLEXTRUSION** - Gravure ink system for Reverse Printing on BOPP for PP Extrusion Lamination.
   - **FLEXTRUSION-NT** - Toluene free Gravure ink system for Reverse Printing for PP Extrusion Lamination.
   - **FLEXGLIDE** - Toluene PU ink based on reverse chemistry, suitable for gravure printing.
   - **FLEXGLIDE PLUS** - High strength low viscosity Toluene PU ink based on reverse chemistry, suitable for gravure printing.
   - **FLEXGLIDE- NTNK** - MEK and TOLUENE-free PU ink system suitable for gravure reverse printing and lamination purpose.
   - **FLEXGLIDE NTNK PLUS** - High strength MEK and TOLUENE-free PU ink system suitable for gravure reverse printing and lamination purpose.

   - **GR.Flexglide Ink** - GR Flexglide is a toluene free NC-PU Ink system designed for gravure reverse printing on various flexible films.
   - **GR Flexglide Mono - solvent Ink** (Min. 97% EAC)KPR Mono Solvent ink system is a purely ethyl acetate based ink system, suitable for reverse printing lamination purpose through gravure printing process.

2. **Non-Lamination**
   - **FLEXSHRINK** ink system is gravure printing ink system, specially designed for shrinkable PVC films for labels.

**Flexo**

**A. Stack Flexo**

- **FLEXGLOSS**
- **FLEXGLOSS FR**
- **HDPE FLEXO PA (woven Fabric)**

**B. CI Flexo**

1. **Surface Printing**
   - **CI FLEXGLOSS - CI PA Ink** is suitable for CI Flexo surface printing purpose.
   - **CI FLEXSHEEN FROR Ink** system suitable for CI Flexo surface Printing purpose.
   - **CI FLEXSHEEN FR H2O2 Ink** system is suitable for CI Flexo surface Printing for UHT milk packaging.
   - **CI FLEXSHRINK system** is a toluene free ink system suitable for CI Flexo reverse printing on PVC and PET-G films.

2. **Reverse Printing**
   - **CI FLEXGLIDE** - Ink system, suitable for CI Flexo reverse printing lamination purpose.

**C. LAMIFLEX CONCENTRATE BLENDING CONCEPT** - BLENDING TECHNOLOGY - nitrocellulose + Alcohol based flexible system suitable for gravure/flexo and surface/reverse printing purpose.
### PU Ink binders

#### Specialty Coating

**Solvent-based**

A. **Top Coats/Overcoats**

1. HRK7426 & HRK7427 - HRK- 7426 FLEXSHEEN 2K HIGH GLOSS OPV / HRK-7427 FLEXSHEEN 2K OPV HARDENER - Very high gloss/very high resistance to high heat, high chemical resistance and product resistance.

2. HRK9729 & HRK7596 - HRK-9729 FLEXMATT NTKN 2K OP INK/ HRK- 7596 HARDENER is a toluene-ketone free, two- component gravure matt OPV suitable for PET and BOPP films.

3. FGK-6946 FLEXSHEEN GLOSS OPV - High gloss oil resistance OPV suitable for Flexo and Gravure.

4. HRK 9976 FLEX MATT NTKN 1K MATT COAT - HRK09976 Flexmatt single component OP ink is a toluene/ketone free NC-PA based matt coat suitable for PET & BOPP films.

B. **Primers/Under Coats**

1. HRK-6837 Flex Wash Primer - Shellac wash for foil – one component.

2. HRK 8851 - Flexfoil Metallic Primer MU 1001 is a toluene/ketone free primer (used as foil wash) for various metallized substrates and applied through gravure/CI flexo printing process.

3. BRK 10186 - Flexglide PP Extrusion Primer.

#### Other Products

**Heat Seal**

**HEAT SEAL COATING (NTNK)**

- HRK7597 FLEXFOIL UNIVERSAL HEAT SEAL LACQUER - It is a Toluene-free heat seal lacquer used for sealing of various substrates and applied through gravure cylinder/drum coater.

**SOLVENT BASED - HEAT SEAL COATING**

- HRK7138 - Solvent Based heat seal coating suitable for sealing between foil/foil, Paper/foil, foil/PVC, Paper board/PVC and Paper board/PET application.
<table>
<thead>
<tr>
<th>POLYOL GRADES FOR SHOE &amp; NON SHOE</th>
<th>APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FLEXTER Z-001</strong></td>
<td></td>
</tr>
<tr>
<td>Acid Value</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Hydroxyl Value (Approx.)</td>
<td>38 ± 3</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>280-300</td>
</tr>
<tr>
<td>Moisture (%)</td>
<td>&lt; 0.05</td>
</tr>
<tr>
<td>Structure</td>
<td>L</td>
</tr>
<tr>
<td>Viscosity-cPs</td>
<td>150</td>
</tr>
<tr>
<td>Appearance</td>
<td>800 - 1000</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Aromatic Polyester Polyol</td>
</tr>
<tr>
<td>Adhesive</td>
<td>Viscous Liquid</td>
</tr>
<tr>
<td>L = LINEAR</td>
<td></td>
</tr>
<tr>
<td>B = BRANCHED</td>
<td></td>
</tr>
</tbody>
</table>

For further details please contact : Manoj Gill (AGM-Sales)
Mobile : + 91-9910987811, Email : manoj.gill@uflexltd.com
As the world gets competitive it is incumbent upon organisations not to lose sight of common good in its pursuit of profit. Some of the international certifications that Uflex complies with include:

**ISO 9001: 2015**
A quality management system that demonstrates our ability to consistently provide products and services that meet customer demands while at the same time also complies with applicable statutory and regulatory requirements.

**ISO 14001: 2015**
An international standard that certifies that Uflex has an effective Environmental Management System (EMS) in place.

**ISO 45001: 2018**
An international standard for management systems of occupational health safety.

**ISO 50001: 2011**
A certification that takes into consideration that energy is not only used efficiently but also helps to conserve resources and tackle climate change.

**ISO 31000: 2018**
A family of standards relating to risk management ensures that Uflex Chemicals follows the principles and generic guidelines on risk management.

**ISO 17025**
Govt. of India has authorized NABL as the sole accreditation body for testing and calibration laboratories. The objective of NABL is to provide third party assessment of quality and technical competence.